

Ingredient Cards

For GCSE AQA Food Preparation and Nutrition

Sauces, Stocks, Reductions & Condiments

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Teacher's Introduction

This resource is designed to help you teach and discover the fascinating world of food we eat every day. Ingredient Cards are written with in mind the students who have chosen the challenge of studying the new subject – AQA GCSE Food Preparation and Nutrition.

What it covers

This part of Ingredient Cards introduces carefully chosen food ingredients – some to represent British cuisine and some to introduce world foods. The resource comprises 24 Sauces and Condiments sheets and 11 Task sheets.

How to use this resource

This resource covers all aspects of the new AQA GCSE specification for Food Preparation and Nutrition and is designed to increase the knowledge, improve the skills, arouse the curiosity and trigger the creativity of those using it.

Each Ingredient Card is dedicated to one ingredient. You can print and laminate these so that they can be safely used in the kitchen, without the risk of staining or damaging them.

- What is It? Briefly describes what a given sauce or condiment is made from and provides some trivia to make it more interesting for the student.
- Common Cuisines. This part indicates where a given ingredient comes from and where it is usually used in the world.
- Nutritional Information. Contains data about macro- and micronutrients present in a given food ingredient, both
 in 100 g and in a portion or piece, to help evaluate the nutritional value of the dishes made using it. It is presented
 in the form of a table, containing information about macro- and micronutrients as required by the AQA GCSE
 specification.

If there is a '-' it means that there is no data available about the given nutrient. If there is a '0' it means that the ingredient does not contain the given nutrient.

• **Health Benefits**. Indicates the health benefits of consuming the given food ingredient, with special attention to vitamins, minerals, unsaturated fats, protein, phytosterols, naturally occurring antioxidants and essential oils (where applicable).

IMPORTANT:

If a product contains cholesterol, or any other substances not listed in the table, it is indicated in the 'allergy and health risks' section.

Please bear in mind that nutritional data is estimated, and may differ depending on the brand, ingredients used, storage conditions and any processing applied to the food during manufacturing.

- Allergy and Health Risks. Points out the main health hazards relating to the consumption of a given food ingredient, including the risk of an allergic reaction.
- **Alternatives.** Contains a list of other food products which can be used instead of the described ingredient in case of shortage, health conditions or other reasons why the original ingredient cannot be used.
- Cooking Uses. A catalogue of culinary uses of a given food ingredient. Indicates whether it can be eaten alone or cooked, and whether there are any special requirements for cooking or preparation (where applicable). It also lists the kinds of dish in which the ingredient can be used, in order to fully appreciate its features and value.
- **Storage**. Conditions in which to store the given product in order to preserve its nutritional value, colour, texture and flavour.

The sauces and condiments are combined into small groups, and each group is followed by a **Task sheet** focused on the given ingredients. The purpose of each Task sheet is to check students' knowledge and encourage them to research more information, as well as experiment with the ingredient and discover its potential in cooking. Each task has been assigned a reference number to help cover the whole spectrum of the AQA GCSE Food Preparation and Nutrition specification. Simply copy one Task sheet per student for them to work on either during the lesson or at home. There are also exemplary answers to help you assess your students' progress and determine more challenging exercises which require more effort.

The nutritional data is, in most cases, based on the United States Department of Agriculture database and McCance and Widdowson Composition of Foods database for Great Britain.

Where appropriate, other sources of information have been used, such as FODMAPer application issued by Monash University and label information for products most popular in Great Britain.

Specification Specific Information

The Ingredient Cards contain a wide range of information, including data about vitamins and minerals. Please note that the nutritional values supplied do not always reflect the requirements of the AQA GCSE specification for Food Preparation and Nutrition, as they provide additional data on potassium and magnesium.

We believe that the additional information provided will broaden the students' knowledge and improve their understanding of how nutrients work together in the human body.

However, there is no need for students to focus on the vitamins or minerals not covered by the specification. The following table indicates which vitamins and minerals the AQA specification covers.

Minerals		
Calcium		✓
Iron		✓
Sodium		✓
Fluoride		✓
lodine		✓
Phosphorus		✓
Potassium		
Magnesium		
Vitamins		
	Vitamin A	✓
Fat caluble	Vitamin D	✓
Fat soluble	Vitamin E	✓
	Vitamin K	✓
	Vitamin B1 (Thiamine)	✓
	Vitamin B2 (Riboflavin)	✓
Water caluble	Vitamin B3 (Niacin)	✓
Water soluble	Vitamin B9 (Folic acid)	✓
	Vitamin B12 (Cobalamin)	✓
	Vitamin C (Ascorbic acid)	√

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Register your email address to receive any future free updates* made to this resource or other Food and Nutrition resources your school has purchased, and details of any promotions for your subject.

 resulting from minor specification changes, suggestions from teachers and peer reviews, or occasional errors reported by customers

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1. SOY SAUCE



What is It?

Soy sauce is the product of fermening soy beans and wifrom Aspergillus family.

Common Cuisines:

Soya is a cc in in event used in Asian cooking, and was originally developed in as a method of preserving and salting foods.

Store a prolon opening

Nutritional Information:

These values may differ between similar products.

These values may differ between similar products.			
Nutritional value: typical value	Per 100 g	Per 1 tsp (approx. 6 g)	
Energy	60 kcal	4 kcal /	
Macronu	ıtrients		
Fat	0.10 g	0.01 g	
Saturated fats	0.011 g	0.001 g	
Monounsaturated fats	0.017 g	0.001 g	
Polyunsaturated fats	0.044 g	0.003 g	
Carbohydrates	5.57 g	0.33 g	
Starch (polysaccharides)	-	-	
Sugars (mono- and disaccharides)	1.70 g		
Fibre	'' <u>)</u> j	0.10 g	
Protein	10.51 g	0.63 g	
Edicado	utrients		
Vitamin A	0	0	
Vitamin D	0	0	
Vitamin E	0	0	
Vitamin K	0	0	
Vitamin B1 (Thiamine)	0.059 mg	0.004 mg	
Vitamin B2 (Riboflavin)	0.152 mg	0.009 mg	
Vitamin B3 (Niacin)	3.951 mg	0.237 mg	
Folic acid	0	0	
Vitamin B12	0	0	
Vitamin C (Ascorbic acid)	0	0	
Calcium	20 mg	1,19	
Iron	2.38	. 1 mg	
Sodium	5 6 .g	335 mg	
Fluoride 19	/-/	-	
lodine Education	-	-	
Phosphorus	130 mg	8 mg	
Potassium	212 mg	13 mg	
Magnesium	40 mg	2 mg	
g – grams, mg – milligrams,	mcg – microgr	ams	

Nutrition

Health Benefits:

Soy sauce is low in saturated fat a great source of group B vitamins phosphorus. It also provides ad

Soy sauce is a great source of sor proper conduction of nerve sign controls water balance in the booless sodium than a teaspoon of is reconstructed to obtain the desired form a sodium intake under controls.

Soy sauce is also a source of soy natural antioxidants, protecting of free radicals.

Allergy and Health Risks:

Most soy sauces contain wheat, individuals who suffer from coel wheat allergies.

With its high sodium content, so consumed in reduced amounts, thereby increasing blood volumpressure (and can cause other case)

Alter

For a glut n-free alternative, use residue intake, use residue intake, use residue intake, use residue intake, use residue intake.

Cooking Uses:

- Spray on top of a dish as
- Mix into a marinade for f work too)
- Splash into stews and sti
- Spice up sauces for meat
- Dip in, e.g. with sushi

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2. MISO



What is It?

Thick, salty paste made from soy, rice, barley and other in with Aspergillus oryzae mould (a) \(\) i). Available in jars, i

Common Cuisines:

Miso is very popular in la a way that is used to prepare the famous miso soup, and a contract of the many dishes.

Nutrition ormation:

These values may differ between similar products.

These values may differ between similar products.		
Nutritional value: typical value	Per 100 g	Per 1 tbsp (17 g)
Energy	198 kcal	34 kcal
Macronu	ıtrients	
Fat	6.01 g	1.02 g
Saturated fats	1.025 g	0.174 g
Monounsaturated fats	1.118 g	0.19 g
Polyunsaturated fats	2.884 g	0.49 g
Carbohydrates	25.37 g	4.31 g
Starch (polysaccharides)	-	<u>-</u>
Sugars (mono- and disaccharides)	6.2 g	1.05 c
Fibre	5.2	0.9 g
Protein	.2.79 g	2.17 g
og Alicron	utrients	
Vitamin A	4 mcg	1 mcg
Vitamin D	0	0
Vitamin E	-	-
Vitamin K	29.3 mcg	5 mcg
Vitamin B1 (Thiamine)	0.098 mg	0.017 mg
Vitamin B2 (Riboflavin)	0.233 mg	0.04 mg
Vitamin B3 (Niacin)	0.906 mg	0.154 mg
Folate	19 mcg	3 mcg
Vitamin B12	0.08 mcg	0.01 mcg
Vitamin C (Ascorbic acid)	0	0
Calcium	57 mg	10 mg
Iron	2.49 mg	0 ;_ ; ,
Sodium	3728 🥆 🛴	y "mg"
Fluoride		-
lodine 79	d	0
Phosphorus Courting	159 mg	27 mg
Potassium	210 mg	36 mg
Magnesium	48 mg	8 mg
g – grams, mg – milligrams, n	ncg – microgram	ıs

Nutrition

Health Benefits:

As with many other ferment probiotic bacteria, which sudigestive system. Due to his vitamin B12, miso can be us vegetarian and vegan recipit still has less than classic kinstead of it in dishs, provided adding a slightly brown color

All Jy and Health Risks:

Miso can contain barley – a its content to make sure it's sodium and protein makes kidney diseases, and for the fact that over 50% of soybe modified may be important

Alte

For use in soups, stews are cube.

For use as a dip, substitut€ tahini.

For pickling, use vinegar.

Cooking Uses:

- flavour to soups, standard in a soup of the standard in the
- Add when making Japa
- Spice up marinades for
- **Use** as a dip for vegetal
- Dissolve in water to ea as a main or side dish
- Spread onto sushi, or le



3. FISH SAUCE



What is It?

Fish sauce is made by fermenting in vath salt. The result is liquid with an umaminate of it.

Common denes:

Fish sauce is used to prepare many dishes, especially in Vietnamese, Japanese and Korean cuisines.

Nutritional Information:

These values may differ between similar products.

These values may affer between similar products.			
Nutritional value: typical value	Per 100 g	Per 1 tbsp (15 g)	
Energy	35 kcal	6 kcal	
Macroni	ıtrients		
Fat	0.01 g	0	
Saturated fats	0.003 g	0	
Monounsaturated fats	0.002 g	0	
Polyunsaturated fats	0.003 g	0	
Carbohydrates	3.64 g	0.66 g	
Starch	0	0	
(polysaccharides)			
Sugars (mono- and	13078 /	0.66 g	
disaccharide			
Fibre 799	0	0	
Protein	5.06 g	0.91 g	
Micron	utrients		
Vitamin A	4 mcg	1 mcg	
Vitamin D	0	0	
Vitamin E	0	0	
Vitamin K	0	0	
Vitamin B1 (Thiamine)	0.012 mg	0.002 mg	
Vitamin B2 (Riboflavin)	0.057 mg	0.01 mg	
Vitamin B3 (Niacin)	2.313 mg	0.416 mg	
Folate	51 mcg	9 mcg	
Vitamin B12	0.48 mcg	0.09 mcg	
Vitamin C (Ascorbic acid)	0.5 mg	0.1 mg	
Calcium	43 mg	8 mg	
Iron	0.78 mg	0.14 mg	
Sodium	7851 mg	ر در ۱۹۰۱	
Fluoride			
lodine		-	
Phosphoru	7 mg	1 mg	
Potassium	288 mg	52 mg	
Magnesium	175 mg	32 mg	
g – grams, mg – milligrams, m	ı cg – microgram	ıs	

Nutrition

Health Benefits:

Fish sauce is quite unique a because it contains vitamir performance of the nervous healthy red blood cells. It prevents anaemia. Fish saucari ruga all of them come magnesium, which supports tablespoon provides 10% of

Allergy and Health Risks:

Since it's made of fish, it she Also, it is very high in sodius suffering from hypertension

Alte

For flavour, use anchovies

Cooking Uses:

- Stir into curries, stews,
- **Spica up** marinades, es
 - Improve the flavour o
- Add to home-made chu

SPECHON COPY



SOY SAUCE, MISO, FISH SAUCE - TA

1.	Research and list five recipes that use miso to help complement the fla
	i
	ii
	iii
	iv
	v
2.	Briefly describe the production of soy sauce from soybeans. [3.6.2.1]
3.	Soy sauce is common in Chinese cooking. Name two other cultures or
	soy sauce is common. [3.5.2]
4.	Circle as of the tongue that would be most receptive to soy sau
	BUNNER
	No SAST
	bud not
4	A Succession Control of the Control
	Extension (3.53):
200000000000000000000000000000000000000	Complete a ranking test for between three and five different soy sauces

of soy sauce ranks highest for the area of the tongue you circled in Que

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4. CURRY PASTE



What is It?

Curry paste is a thick mixture made from various spices by usually contains lemongrass, garlic strallot, ginger, curry dried chilli (red curry), green and Kaffir lime (green may also use some tried from which would change the production of the production.

Common The

Curry paste cially commonly used in Indian and Thai cuisines, where it is used to prepare yellow, red or green curry.

Ste Afte kep life (

Nutritional Information:

These values may differ between similar products.

Nutritional value: typical value	Per 100 g	Per 1 tbsp (15 g)
Energy	253 kcal	38 kcal
Macron	utrients	
Fat	21.3 g	3.2 g
Saturated fats	-	-
Monounsaturated fats	-	-
Polyunsaturated fats	-	-
Carbohydrates	11.3 g	1.7 g
Starch	4.3 g	0.65 g
(polysaccharides)		
Sugars (mono- and disaccharides)	7 g	g
Fibre],o g	1.02 g
Protein 199	4.7 g	0.7 g
Editor.	utrients	0.7 g
Vitamin A	uulents	
Vitamin D	_	-
Vitamin E	-	-
Vitamin E Vitamin K	-	-
Vitamin B1 (Thiamine)	0.00 mg	0.014 mg
Vitamin B2 (Riboflavin)	0.09 mg	
Vitamin B2 (Niacin)	0.13 mg	0.02 mg
Folic acid	1.8 mg	0.27 mg
Vitamin B12	_	-
Vitamin 6 (Ascorbic	0	0
acid)	0	0
Calcium	150 mg	22.5 mg
Iron	12.8 mg	1.92 mg
Sodium	1520 mg	੍ਰੇ? ਲ ੋ. ਾ 💆
Fluoride	T	
lodine	ラインシー	0
Phosphoru 19	110 mg	16.5 mg
Potassium	-	-
Magnesium	-	-
g – grams, mg – milligrams, n	ncg – microgram	S

Nutritiona

Health Benefits:

As with many other hot spinimprove digestion and stiming gastric juices. Its component chemicals which can prevent many other diet-related distington, antibio all a ating a blocked nose.

Allergy and Health Risks:

The turmeric in curry can into avoid curry if you're taking awaiting surgery. Excessive a stomach ache, nausea and spiciness and high sodium

Alte

For colour, use garam mass For colour and aroma, try For spiciness and colour, us

Cooking Uses:

- **Splash into** marinades 🎨 ்த ^tables
- * *** A.dd to sauces, curries, \$
- Spice up a salad dressin
- Infuse rice/quinoa/cous
- Add a hint to a bread d and colour, best served
- Mix into stuffing, e.g. f
- Sprinkle onto pastes a

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5. COCONUT MILK (CANP



What is It?

A thick, creamy liquid made of pressed/squeezed coconut flee Depending on the quality, the canned product will have from coconut extract. Also a pure crear and onut (sometimes we preservative) is available in k Scl. which need to be dissolved a coconut milk.

Common Cuisines

Coconut m. To John Cooking ingredient, often added to curries, dead and cocktails to make them sweet and creamy. It is most popular in Asian and Caribbean cuisines.

Storage:

Sealed cans can temperature. Or a non-metallic co

Nutritional Information:

These values may differ between similar products.

Nutritional value: typical value	Per 100 g	Per 1 tbsp (15 g)
Energy	197 kcal	11 kcal
Macroni	utrients	
Fat	21.33 g	3.2 g
Saturated fats	18.915 g	2.84 g
Monounsaturated fats	0.907 g	0.136 g
Polyunsaturated fats	0.233 g	0.035 g
Carbohydrates	2.81 g	0.42 g
Starch (polysaccharides)	0	0
Sugars (mono- and disaccharides)		0.74 g
Fibre 719	0	0
Protein Education	2.02 g	0.3 g
Micron	utrients	
Vitamin A	0	0
Vitamin D	0	0
Vitamin E	-	-
Vitamin K	-	-
Vitamin B1 (Thiamine)	0.022 mg	0.003 mg
Vitamin B2 (Riboflavin)	0	0
Vitamin B3 (Niacin)	0.637 mg	0.096 mg
Folate	14 mcg	2 mcg
Vitamin B12	0	0
Vitamin C (Ascorbic acid)	1 mg	0.1 mg
Calcium	18 mg	3 mg
Iron		- 19 yy -
Sodium	0.0000 0000	∠ mg
Fluoride		-
lodine 2	-	-
Phosphorus Education	96 mg	14 mg
Potassium	220 mg	33 mg
Magnesium	46 mg	7 mg
g – grams, mg – milligrams, m	ı cg – microgram	s

Nutrition

Health Benefits:

The name of the coconut is fruit, and, therefore, may us with nut allergies. It is low group B vitamins, such as also provides potassium, reblood pressure. Although the anamely lauric acid in assess the HDL ('good' and, therefore, lowers the Studies have proven that Infatty acids are beneficial for metabolism ratio and prevention.

Allergy and Health Risks:

Coconut milk is often prese which are important allergavoid health complications used in moderation.

Alte

For the creamy texture, to silken tofu.

For colour and fewer calcacheese or cream.

w etness, replace with

Cooking Uses:

- Simmer to make a curry
- Use instead of cow's mi panna cotta, puddings (e creams...
- Boil to cook rice and quality bit if it's too thick)
- Shake or blend to make as pina colada)



CURRY PASTE AND COCONUT MILK - T

1.	List the ingredients of yellow, green and red curry pastes. Underline th
	Yellow curry
	Green curry
	Red cul
_	
2.	Evaluate which is healthier: cow's milk or coconut milk. Justify your rea
3.	Coconuts are very hard and cause around 15° is the each year. Can year so hard that it's almost impossible of the whole are so hard that it's almost impossible of the whole are so hard that it's almost impossible of the whole are so hard that it's almost impossible of the whole are so hard that it's almost impossible of the whole are so hard that it's almost impossible of the whole are so hard that it's almost impossible of the whole are so hard that it's almost impossible of the whole are so hard that it's almost impossible of the whole are so hard that it's almost impossible of the whole are so hard that it's almost impossible of the whole are so hard that it's almost impossible of the whole are so hard that it's almost impossible of the whole are so hard that it's almost impossible of the whole are so hard that it's almost impossible of the whole are so hard that it's almost impossible of the whole are so hard that it's almost impossible of the whole are so hard the whole
1	To the second se
J	Extension (3233):
	Create a consumer's guide in which you compare five different brands of can either go to a shop and photograph the labels or find some on the

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ingredients? Which brand would you recommend, and why?

Pay extra attention to the amount of coconut extract and preservatives

MUSTARD



What is It?

Thick sauce made from whole or ground mustard s water, vinegar, salt and flavourings. There are many from bright yellow to dain www, from sweet and m and from smooth to gra.

Common Cuisines:

Dijon must: 19 n) le by the French in the thirteenth century and is seen as a clament of French cuisine. In England, mustard was known from the end of the fourteenth century – although the flavour Dement of French cuisine. In England, mustard was differed from the French one. Today, mustard is especially popular in Europe and the USA.



Nutritional Information:

These values may differ between similar products. Data shown is for

Colman's mustard, or is an estimated average where no data

was available.

Nutritional value: typical value	Per 100 g	Per 1 tsp (5 g)
Energy	195 kcal	10 kcal
Macroni	utrients	
Fat	12 g	0.6 g
Saturated fats	0.7 g	0.1 g
Monounsaturated fats	-	- 1
Polyunsaturated fats	<u> </u>	
Carbohydrates	17	J./ g
Starch (polysacci 19		-
Sugars (m. disaccharides)	13 g	0.7 g
Fibre	2.6 g	0.13 g
Protein	6.8 g	0.5 g
Micron	utrients	
Vitamin A	0	0
Vitamin D	0	0
Vitamin E	1.06 mg	0.053 mg
Vitamin K	1.1 mcg	0.055 mcg
Vitamin B1 (Thiamine)	0.169 mg	0.008 mg
Vitamin B2 (Riboflavin)	0.055 mg	0.003 mg
Vitamin B3 (Niacin)	0.994 mg	0.05 mg
Folate	34 mcg	1.7 mcg
Vitamin B12	0	0
Vitamin C (Ascorbic acid)	1.5 mg	0.075 mg /
Calcium	56 mg 🥢	_ <u>-</u> img
Iron	'/ <u>'/</u>	0.1 mg
	್ರ400 mg	170 mg
Fluoride	-	-
lodine	-	-
Phosphorus	174 mg	8.7 mg
Potassium	152 mg	8 mg
Magnesium	48 mg	2 mg
g – grams, mg – milligrams	, mcg – microg	yrams

Nutritional

Health Benefits:

The mustard seed content because most of mustard' seeds. Mustard seeds are (important for the nerve c pressure low) and selenium റച്ചും They are also rich n, cessary for healthy eyes seeds stimulate the work pancreas, improving diges

Allergy and Health Risks:

Mustard seeds are an imp indicated on food labels. 1 condiment makes it inapp hypertension or kidney dis irritate the stomach, espec stomach ulcers.

Alte

For colour and spiciness, For texture and creamine For hotness, replace with h

20 king Uses:

- Use as a sauce with burgers and hot doc
 - **Splash** into a vinaign
- Spice up marinades
- Improve the flavou cream soup, sauces
- **Blend** into mayonna
- **Emulsify** a hollanda
- Cook to make a Dut
 - Mix into stuffing, e.



7. MAYONNAISE



What is It?

Thick sauce made from oil, egg yolk, vinegar and flavour yolk is an emulsifier and helps to a lise the mixture.

Common Cuisines:

The name 'mayonnaise' sugar mes from France – but many sources indicated in Spain! (Although, the French popularised popularis

Sto Seale ambie

keep re

Nutritional Information:

These values may differ between similar products. Data shown is for Hellmann's mayo, or is an estimated average where no data was available.

Nutritional

Health Benefits:

Any benefits of mayonnaise provides vitamin A, group B source of lecithin, which imprements and ability to focus increases immunity and implood to the cells. Some be other ingredients, such as musual, in very small quantil

Allergy and Health Risks:

Each tablespoon of mayo control of the state of the social of the social

Alte

For texture and colour, repleter texture and creamines
For flavour, replace with make the for a better nutritional value.
For texture and better nutritional value.

To liny Uses:

- Use as a dressing in sala coleslaw
- Splash onto sandwiches
- Serve with meats, cold c eggs, frittata...
- Improve other sauces, e.
- Cream or blend to make
- **Decorate** salads, devilled finger foods
- Pour over chips Belgia

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available. **Nutritional value:** Per 1 tbsp Per 100 g typical value (13 g) Energy 692 kcal 90 kcal Macronutrients Fat 77 g 10 g Saturated fats 11.54 q 1.5 g 19.23 g Monounsaturated fats 2.5 g Polyunsaturated fats 46.15 q 6 g **Carbohydrates** 2.4 g 0.31 g Starch (polysaccharides) Sugars (mono- and 0.5 g disacchari Fibre Protein 0 0 Micronutrients Vitamin A 10.14 mcg 78 mcg Vitamin D 0 0 Vitamin E 22.1 mg 2.87 mg Vitamin K 0 0 Vitamin B1 (Thiamine) 0 Vitamin B2 (Riboflavin) 0.1 mg 0.013 mg Vitamin B3 (Niacin) 0.013 mg 0.1 mg **Folate** 9 mcg 1.17 mcg Vitamin B12 0.3 mg 0.039 mg Vitamin C (Ascorbic 0 acid) **Calcium** 2 mg 726 11 Iron 0.16 CU21 mg Sodium (1.9 90 ma Fluoride **lodine** 0.91 mcg 7 mcq **Phosphorus** 5 mg 0.65 mg **Potassium** 20 mg 3 mg Magnesium 1 mg 0 mg g – grams, mg – milligrams, mcg – micrograms

8. KETCHUP



What is It?

Thick sauce made from tomatoes, sugar, vinegar, seasoning a tomatoes used the better, as they provide itamins, antioxidal

Common Cuisines:

Tomato ketchup as the beginning of the twentie the unit of the twentie the unit of the twentie the unit of the uni

Sto Once

Nutritional Information:

These values may differ between similar products. Data shown is for Heinz ketchup or is an estimated average where no data was available.

Nutritional value: typical value	Per 100 g	Per 1 tbsp (15 g)
Energy	102 kcal	15 kcal
Macron		15 Real
Fat	0.1 g	0
Saturated fats	0	0
Monounsaturated fats	-	-
Polyunsaturated fats	-	-
Carbohydrates	23.2 g	3 ′ "
Starch (polysaccharides)	-	
Sugars (monstand) disacchail 1799) , 3 g	3.4 g
Fibre Education	0.9 g	0.135 g
Protein	1.2 g	0.2 g
Micron	utrients	
Vitamin A	79 mcg	11.85 mcg
Vitamin D	0	0
Vitamin E	1.01 mg	0.15 mg
Vitamin K	-	-
Vitamin B1 (Thiamine)	1 mg	0.15 mg
Vitamin B2 (Riboflavin)	0.09 mg	0.0135 mg
Vitamin B3 (Niacin)	2.1 mg	0.315 mg
Folate	1 mcg	0.15 mcg
Vitamin B12	0	0
Vitamin C (Ascorbic acid)	2 mg	0.3 mg
Calcium	13 mg	1.95 mg
Iron	0.3 mg	ريد ي 24 کي
Sodium	720 %	bu mg
Fluoride	+], [-
Iodine 79	21	0
Phosphoru Education	31 mg	4.65 mg
Potassium	350 mg	52 mg
Magnesium	19 mg	2.85 mg

Nutrition

Health Benefits:

What makes the tomato rewhich – good news – is abs
It is a potent antioxidant, so in the skin and slows down in the prevention of heart studies are ongoing.

milergy and Health Risks:

Ketchup – like many other so it has to be avoided by also quite high in sugar, so suffering from diabetes, in blood sugar levels.

Alte

For colour and flavour, us pesto sauce.

For colour, replace with reference For flavour, use chilli or B

Cooking Uses:

- Par over chips.
- sp ash onto sandwiche Spice up marinades, e
- Blend to make a dres
- Spice up soups, sauce
- Make dressings, such sauce and sweet-and-

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g – grams, mg – milligrams, mcg – micrograms

MUSTARD, MAYONNAISE AND KETCHUP

1.	Ketchup, mustard and mayonnaise are the most popular sauces in tl	he
	consider the healthiest, and why? [3.2.3.1, 3.2.3.3]	

I think the healthiest sauce is	
This is because	>

2. For a 16-year-old of your gender, calculate the percentage of RNI province Then colour-code the label using the traffic light labelling system to irreflects your nutritional needs. [3.2.3.1, 3.2.3.3, 3.5.1.3]

Nutritior	nal value: typical value	RNI for me	Per 100 g
Energy			692 kca
Fat			77
	saturates		11.54
Sugars (mo disaccharid			3.85
Sodium			692 m

				Salt
199 109 100 100	Fat	Saturates	Sugars	Salt
692 kcal	77 g	11.54 g	3.85 g	1.73 ց
%	%	%	%	%

3.	Briefly describe how mayonnaise is made and what the functions of	ea
	3.6.2.1]	
		- 8

3
3
1

	 7	
	- · · · · · · · · · · · · · · · · · · ·	
Ingredient 1:	Function(s):	



Ingred Education		Function(s):
------------------	--	--------------

Ingredient 4:	Function(s):

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4.	What are the indicators of a good-quality ketchup? What would you p buying a ketchup? [3.4.2.1, 3.5.1.1, 3.5.1.2, 3.2.3.3]
5.	Indicate three had self-ints and three disadvantages of tomato ketch

Health benefit [Di s
	-

4			100		
Extensio	n (3.5.3)				
	a ranking tee+ 1	alte.ג מוז יי	rent types of	f mustard.	Assess the s
colour and	d±asth in e (ાe. Are the	ere any other	features y	ou could as:
carrier?	9 709				



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9. HP BROWN SAUCE



What is It?

Very popular in Great Britain. Sauce made from tomatoes, malt vineg sugar and flavourings.

Common Cuisines.

HP brown same of the most popular condiments in Birm. We atted at the end of the nineteenth century in gham. In 2014, 13 million kilograms of the sauce were send in the UK alone!

Sto Onc

Nutritional Information:

These values may differ in other brands of brown sauce

hese values may differ in o	1	1
Nutritional value: typical value	Per 100 g	Per 1 tbsp (15 g)
Energy	122 kcal	18 kcal
Macron	utrients	
Fat	0.1 g	0
Saturated fats	0	0
Monounsaturated fats	-	-
Polyunsaturated fats	_	-
Carbohydrates	28.3 g	4.2 g
Starch	5.8 g	0.87 g
(polysaccharides)		
Sugars (mono- and	23.1 g	: 5 c
disaccharides)		
Fibre	1 9	0.2 g
Protein 19	₁ ປ.9 g	0.1 g
Education Victor	nutrients	
Vitamin A	7 mcg	1.05 mcg
Vitamin D	0	0
Vitamin E	_	-
Vitamin K	_	-
Vitamin B1 (Thiamine)	0.09 mg	0.014 mg
Vitamin B2 (Riboflavin)	0.06 mg	0.007 mg
Vitamin B3 (Niacin)	0.1 mg	0.015 mg
Folate	5 mcg	0.75 mg
Vitamin B12	0	0
Vitamin C (Ascorbic	0	0
acid)		
Calcium	23 mg	3.45 mg
Iron	2.12 mg	0.36 mg
Sodium	520 mg	78 mg
Fluoride	-	1-23-
lodine	<u> </u>	(<u>)</u>
Phosphorus	125	2.1 mg
Potassium	img	33 mg
Magnesiur. 199	36 mg	5.4 mg

Nutrition a

Health Benefits:

Health benefits of brown sa and – less so – from dates vitamins and antioxidants. calories.

Allergy and Health Risks:

As with any other condiments. In a sea avoided if you have assues. Also, it is high in such diabetics. It contains barley gluten, so it should be avoid

Alte

For acidity and flavour, refor the sweet-and-sour to vinegar and maple syrup.

Cooking Uses:

- Splash onto meat pies bacon, chips...
- Serve with eggs and
- Add to sandwiches, so
 - **Spice up** marinades, ϵ

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grams, mcg – micrograms

g - grams, mg &

10. WORCESTER SAUC



What is It?

Flavouring sauce made from a mixture of barley and spirit vinegar, manchovies and various herbs and spices, material together for 18 mer

Common Cuisines

The modern real 2 for invented in 1830 in Worcestershire, and, a spained popularity at the beginning of the the century. It is now used worldwide as a flavouring.

Sto Onc∈ Do n∈

Nutritional Information:

These values may differ between similar products.

Nutritional value: typical value	Per 100 g	Per 1 tbsp (15 g)
Energy	79 kcal	13 kcal
Macroni	utrients	
Fat	0	0
Saturated fats	0	0
Monounsaturated fats	0	0
Polyunsaturated fats	0	0
Carbohydrates	19.45 g	3.3 g
Starch (polysaccharides)	-	-
Sugars (mono- and disaccharides)	10.03 g	191
Fibre		0
Protein 199	0	0
Educate Micron	utrients	
Vitamin A	5 mcg	1 mcg
Vitamin D	0	0
Vitamin E	0.08 mg	0.01 mg
Vitamin K	1 mcg	0.2 mcg
Vitamin B1 (Thiamine)	0.07 mg	0.012 mg
Vitamin B2 (Riboflavin)	0.13 mg	0.022 mg
Vitamin B3 (Niacin)	0.7 mg	0.119 mg
Folate	8 mcg	1 mcg
Vitamin B12	0	0
Vitamin C (Ascorbic acid)	13 mg	2.2 mg
Calcium	107 mg	18 mg
Iron	5.3 mg	0,.,
Sodium	980 mg/	t. mg
Fluoride		-
lodine	mcg	0.15 mcg

Nutrition a

Health Benefits:

Since Worcester sauce is par contains some calcium and absorbed by the body. It all vitamins, which are necessar foods. The garlic and onion immunity, while vitamin C is

Allergy and Health Risks:

it ontains anchovies, orcester sauce should be fish. As with other condimentherefore, shouldn't be eaten hypertension or kidney disessugar in each spoonful, so is people who wish to lose we

Alte

For flavour and colour, try vinegar.

For saltiness, use soy sauce

You can make your own sall soy sauce, cider or vinegar,

Cooking Uses:

- Always shake before us sediment that settles at
- Spice up marinades for
- Add to minced meat
- Splash into stews, dip
- Serve with casseroles
 - Pour over wraps
- Blend into drinks and

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g – grams, mg – milligrams, mcg – micrograms

60 mg

800 mg

13 mg

10 mg

2 mg

134 mg

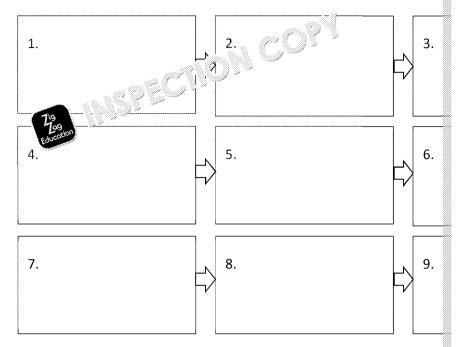
Phosphoru

Potassium

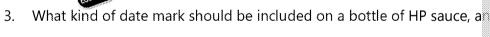
Magnesium

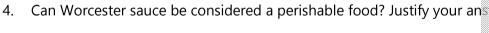
HP BROWN SAUCE AND WORCESTER SAUCE: BE TASK SHEET

1. Outline how Worcester sauce is made. [3.6.2.1]



2.	Indicate with what health co	onditions the	overconsumption	of HP	
	be avoided. [3.2.3.1, 3.2.3.4]				





5. What ingredient is used in the production of the sauce and Worce

Try prep your own brown sauce. What ingredients will you use, and your sauce with one of the brand sauces available on the market, and in

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11. TABASCO SAUCE





What is It?

Very hot sauce made from chilli peppers with vinegar and satthree years in oak whisky barrels. The process of Tabasco sat 2.500 SHU and 5.000 SHU or and Spiciness wersion of charts are chipotle sauce, which is made from satterness.

Common Tenes:

Tabasco is a popular condiment in the USA, where it is used to prepare marinades for meat and seafood, and nacho dips.

Nutritional Information:

These values may differ between similar products.

•	1	1
Nutritional value: typical value	Per 100 g	Per 1 tsp. (approx. 5 g)
Energy	12 kcal	1 kcal
Macroni	utrients	
Fat	0.76 g	0.04 g
Saturated fats	0.106 g	0.005 g
Monounsaturated fats	0.061 g	0.003 g
Polyunsaturated fats	0.401 g	0.019 g
Carbohydrates	0.8 g	62.
Starch (polysaccharides)		
disacchar 100		0.01 g
Fibre	0.6 g	0
Protein	1.29 g	0.06 g
Micron	utrients	
Vitamin A	82 mcg	4 mcg
Vitamin D	0	0
Vitamin E	0.01 mg	0
Vitamin K	0.2 mcg	0
Vitamin B1 (Thiamine)	0.032 mg	0.002 mg
Vitamin B2 (Riboflavin)	0.084 mg	0.004 mg
Vitamin B3 (Niacin)	0.178 mg	0.008 mg
Folate	2 mcg	0
Vitamin B12	0	0
Vitamin C (Ascorbic acid)	4.5 mg	0.2 mg
Calcium	12 mg 🥟	
Iron	1 3 Fg /	0.05 mg
Sodium	್ರ33 mg	30 mg
Fluoride 09	-	-
lodine	_	-
Phosphorus	23 mg	1 mg
Potassium	128 mg	6 mg
Magnesium	12 mg	1 mg
g – grams, mg – milligrams, mcg – micrograms		

Storage:

Store in a cool p direct sunlight (a opening, the colo but this won't affe

Nutritional

Health Benefits:

Capsaicin from the chilli per and anti-inflammatory age ghrelin, it helps to reduce he ne who are trying to low viscally calorie-free, which other sauces and condime sodium, the amount of Tab a teaspoon) is usually safe,

Allergy and Health Risks:

As Tabasco sauce is very hor desensitisation of the taste small quantities. Its ingredie reactions, so it's always best potential allergens.

Alte

For hotness, replace with chill For the sour taste, use vinega For colour and spiciness, use For ven hot flavour, use cay in er hotness, try using very mild flavour, replace

Cooking Uses:

- Spice up marinades, sa
- Add to guacamole or
- Blend into cocktails, sur such as gazpacho
- Season salads, sandwick tacos, tortillas, omelett
- Stir into rice and pasta
- Splash into chocolate

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12. BBQ SAUCE



What is It?

Type of sauce made from vinegar, tomato paste, liquid smoke a

Stc.

Common The first BBC

was manufactured in Atlanta, USA. From there it spread to Eur

Nutritional Information:

These values may differ between similar products.

١

Nutritional value: typical value	Per 100 g	Per 1 tbsp (15 g)
Energy	129 kcal	19 kcal
Macronu	ıtrients	
Fat	0.2 g	0
Saturated fats	0	0
Monounsaturated fats	-	-
Polyunsaturated fats	-	-
Carbohydrates	29 g	4.4 g
Starch	6.2 g	0.93 g
(polysaccharides)		
Sugars (mono- and	27.8 g	42~
disaccharides)		
Fibre	ļ Č: Ž	v.075 g
Protein		0.2 g

An conutrients Vitamin A 12.6 mcg 84 mcg Vitamin D Vitamin E 0.91 mg 0.14 mg Vitamin K 0 Vitamin B1 (Thiamine) 0.03 mg 0.004 mg Vitamin B2 (Riboflavin) 0.003 mg 0.02 mg Vitamin B3 (Niacin) 0.4 mg 0.06 mg **Folic Acid** 5 mcg 0.75 mg Vitamin B12 Vitamin C (Ascorbic 3 mg 0.45 mg acid) **Calcium** 17 mg 2.55 mg Iron 0.09 mg 0.6 mg Sodium 600 mg 90 mg **Fluoride** ि<u>। ५</u> **lodine** 1 mcg **Phosphorus** υυ mg **Potassium** 37 mg Magnesiun 13 mg 2 mg

Health Benefits:

As BBQ sauce contains tone it may provide potential healycopene and antioxidants. necessary for proper growt bones, and vitamin C, which

Allergy and Health Risks:

read the label of each of each of each of each of the different, and different allergens. BBQ sauce is high avoided by people with hypothesis, the high content of said

Alte

For colour and acidity, use For colour and flavour, try For flavour, replace with W For the smoky aroma, use

Cooking Uses:

- Spice up marinades f
- Pour over sandwiches chops, steaks, grilled many into baked beans
 Add a kick to spaghe

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ams, **mcg** – micrograms

g – grams, m

TABASCO SAUCE AND BBQ SAUCE - T

1. Compare the labels of three different BBQ sauces and list the allergen attach a picture of each label to support your answer. [3.5.1.3]

BBQ Sauce 1	B50 auce 2	
720 Salara		

2.	Where does Tabasco sauce activity or from? [3.6.2.2]
	7,00

3.	What is the Scoville scale used to measure? [3.7]	
		000000000000000000000000000000000000000

4.	Research and explain what receptors are most responsive to chilli. [3.5.3	

Sugar is added to sauces containing tomatoes, such as BBQ sauce tomato juice (without any additives) and to each sample add a different what amount is best for the optimum taste of the sauce.

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13. TAHINI



What is It?

Also called sesame butter, it's a thick paste made from seeds.

Common Cuisines:

Tahini is used mostly in Arthur and Middle Eastern countries as por pare other food products, such as hummus or

Storage:

Tahini can be sa temperature. Yo it in crumbly pas

Nutritional Information:

These values may differ between similar products.

.,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	,	
Nutritional value: typical value	Per 100 g	Per 1 tbsp (16 g)
Energy	586 kcal	94 kcal
Macron	utrients	
Fat	50.87 g	8.14 g
Saturated fats	7.124 g	1.14 g
Monounsaturated fats	19.209 g	3.073 g
Polyunsaturated fats	22.296 g	3.567 g
Carbohydrates	0.9 g	0.144 g
Starch (polysaccharides)	0.5 g	0.08 g
Sugars (mono- and disaccharides)	0.4 g	(,
Fibre 79	√.5 g	0.9 g
Protein 209	18.08 g	2.89 g
Micron	utrients	
Vitamin A	3 mcg	0
Vitamin D	0	0
Vitamin E	2.57 mg	0.41 mg
Vitamin K	-	-
Vitamin B1 (Thiamine)	0.24 mg	0.038 mg
Vitamin B2 (Riboflavin)	0.2 mg	0.032 mg
Vitamin B3 (Niacin)	6.7 mg	1.072 mg
Folate	100 mcg	16 mcg
Vitamin B12	0	0
Vitamin C (Ascorbic acid)	0	0
Calcium	960 mg	- 1 fr 2, -
Iron	100 -	3.∂7 mg
Sodium	ny n	2 mg
Fluoride 2	-	-
lodine Education	0	0
Phosphorus	659 mg	105 mg

Nutrition

Health Benefits:

Raw, unprocessed tahini is fats and protein, which make vegetarian and vegan recipion folate and iron, necessary to amounts of calcium, which bones and teeth. As it contaregulate bowel movements prevent muscle cramps, and the it electrolyte. It's as well help to prevent certain

Allergy and Health Risks:

Tahini is made from sesame allergens which must be including in calories, so should be fat or low-calorie diet. The that it can't be eaten by pedysfunctions, as the protein correctly, causing harm to the

Alter

For the creamy texture, replace almond, cashew or peanut but the for a bitter flavour, use a past for the flavour and colour, the flavour and colour, the flavour and colour, the for the flavour and colour, the flavour and colours are the flavour and colours.

Cooking Uses:

- Blend into hummus
- Spread on sandwiches and
- Thicken salad dressings o
- Stir with honey and/or yogs snacks and meat
- Combine instead of mayo
- Substitute for butter in cale.g. peanut butter cookies
- Cream with sugar to make pastries and cakes)

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g – grams, mg – milligrams, mcg – micrograms

414 mg

95 mg

62 mg

14 mg

Potassium

Magnesium

TAHINI - TASK SHEET

1. For a 16-year-old of your gender, calculate the percentage of RNI procedur-code the traffic light label below to show how a 100 g serving dietary needs. [3.5.1.3]



	Nutri value:	tional typic	Al for me	Per 100 g	% Ri n
	် ie.gy			586 kcal	
2	Fat			50.87 g	
	sat	turates		7.124 g	
	Sugars and	(mono-			
	disacch	arides)		0.4 g	
	Sodiun	n		12 mg	

(Energy	Fat	Saturates	Sugars	Salt
	586 kcal %	50.87 g %	7.124 g %	0.4 g	0.03

۷.	Discuss 13.3
3.	Tahini is commonly associated with Arabic cuisine. What other culture
4	Extension (3.233):
	Tahini i 🚛 te 🕠 pare halva. Create a consumer's quide in which you

of halva egards to sesame content, sugar content and other ingred value of each product. Which one would you recommend, and why?

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14. HORSERADISH



What is It?

Horseradish sauce is a hot paste made from grated he the addition of vinegar or length lice. Interestingly, he the same family as calloa and Brussels sprouts!

Common Cuisines:

Nutritiona

E.

R.

Nutritional Information:

These values may differ between similar products.

Nutritional value: typical value	Per 100 g	Per 1 tsp. (approx. 5 g)			
Energy	48 kcal	4.25 kcal			
Macronu	ıtrients				
Fat	0.69 g	0.03 g			
Saturated fats	0.09 g	0.004 g			
Monounsaturated fats	0.13 g	0.007 g			
Polyunsaturated fats	0.339 g	0.017 g			
Carbohydrates	11.29 g	(30;			
Starch (polysaccharides)	0				
Sugars (r. 79 na disacchari _{Educator}	7.99 g	0.4 g			
Fibre	3.3 g	0.2 g			
Protein	1.18 g	0.06 g			
Micron	utrients				
Vitamin A	0	0			
Vitamin D	0	0			
Vitamin E	0.01 mg	0			
Vitamin K	1.3 mcg	0.1 mcg			
Vitamin B1 (Thiamine)	0.008 mg	0			
Vitamin B2 (Riboflavin)	0.024 mg	0.001 mg			
Vitamin B3 (Niacin)	0.386 mg	0.019 mg			
Folate	57 mcg	3 mcg			
Vitamin B12	0	0			
Vitamin C (Ascorbic acid)	25 mg	1.2 mg			
Calcium	56 mg	3.3			
Iron	[2 <u>m</u> , /	0.02 mg			
Sodium	.∠v mg	21 mg			
Fluoride		-			

Na II I I IODa

Health Benefits:

Horseradish itself is low in a folate, calcium and vitamin (namely, sinigrin, which is a clear blocked sinuses, acts antifungal, improves immunistimulating the production which freshly grated, as check the label to see what horseradish sauce.

Allergy and Health Risks:

Horseradish can irritate the lot of sulfites (just as when gind yourself crying when gind yourself y

Alte

For the pungent aroma a For a milder flavour, try g

Jooking Uses:

- Serve with meats and sandwiches
- Mix with cream or you dip/sauce/dressing; you such as cranberry past
- Spice up béchamel/w mashed potato and sa
- Stir into soups and sa
- Spread onto sushi or

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g – grams, mg – milligrams, mcg – micrograms

31 mg

246 mg

27 mg

0

2 mg

12 mg

1 mg

lodine

Phosphorus

Magnesium

Potassium

15. TARTARE SAUCE



What is It?

Type of cold, white sauce based on mayonnaise, cream or pieces of chopped onions, dill and cold kled vegetables (gomushrooms or capers) and the fullee.

Common Cuisines:

Tartare sauce was invented by popular in Europe, USA and in Australia. It

Storage:

Store in a cool p from direct sunli opening, the colo this won't affect is

Nutritional Information:

These values may differ between similar products.

Nutritional value: typical value	Per 100 g	Per 1 tbsp. (approx. 15 g)		
Energy	597 kcal	90 kcal		
Macroni	T	T		
Fat	65 g	10 g		
Saturated fats	9.1 g	1.4 g		
Monounsaturated fats	30 g	4.6 g		
Polyunsaturated fats	22.4 g	3.4 g		
Carbohydrates	0.6 g	0.1 g		
Starch	-	-		
(polysaccharides)		J.,		
Sugars (mono- and	0.6 g	1.		
disaccharides)		7 7		
Fibre	g ″	0		
Protein Protein	2.4 g	0.4 g		
Micron	utrients			
Vitamin A	98 mcg	14.9 mcg		
Vitamin D	1.6 mcg	0.2 mcg		
Vitamin E	17.3 mg	2.6 mg		
Vitamin K	46.2 mcg	7 mcg 0		
Vitamin B1 (Thiamine)	0			
Vitamin B2 (Riboflavin)	0.1 mg	0 mg		
Vitamin B3 (Niacin)	0.1 mg	0 mg		
Folate	26.5 mcg	4.0 mcg		
Vitamin B12	1 mcg	0.2 mcg		
Vitamin C (Ascorbic	10.8 mg	1.6 mg		
acid)				
Calcium	33.7 mg	5.1 mg		
Iron	1.5 mg	0.2 mg		
Sodium	607.7 mg	92.3 mc		
Fluoride				
lodine	16 4 ja g	ncg د.		
Phosphorus		12.6 mg		
Potassium 10	/ /8 mg	11.8 mg		
Magnesiun 2000	7.1 mg	1.1 mg		

Nutritional

Health Benefits:

Tartare sauce is a source of healthy eyesight, and vitam build strong bones and teet provides some polyunsaturathe work of the nervous system ecessary for the proper work.

and y and Health Risks:

salt, making it unsuitable for who are obese / trying to los from hypertension or coronarccipe is often is based on essauce can cause severe allers of fat in tartare sauce can als of heartburn.

Alte

For the colour, use mayon For the creamy texture, try For flavour, replace with ma

Cooking Uses:

- Spread on toast and
 Splash onto boiled
- Add to dishes contain fried seafood, such as

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g – grams, **m** – milligrams, **mcg** – micrograms

16. AIOLI



What is It?

A creamy emulsion made from garlic and olive oil blender mortar. More modern recipes also green egg yolk, lemon ju and mustard to make the green cker and adjust its flavor

Common Cuisinos

Aioli comes de l'enterranean countries and is especially pour in the south of Europe. Recipes for aioli are different in Spain, southern France and Italy, but they all use best-quality olive oil and large amounts of garlic as a base.

Storage:

Store in a cool place sunlight (a cupboard colour of the sauce mits quality or taste.

Nutritional Information:

These values may differ between similar products.

Nutritional value: typical value	Per 100 g	Per 1 tbsp (approx. 10 g)		
Energy	812 kcal	87 kcal		
Macronu	ıtrients			
Fat	89.6 g	9.6 g		
Saturated fats	13 g	1.4 g		
Monounsaturated fats	65 g	7 a1		
Polyunsaturated fats	7.5 g	/ 8		
Carbohydrates	06 2 ()).rg		
Starch (polysacc ² 19	ر کر کر	0.1 g		
Sugars (n disaccharides)	0.1 g	0		
Fibre	0.2 g	0		
Protein	1 g	0.1 g		
Micron	utrients			
Vitamin A	17.8 mcg	1.9 mcg		
Vitamin D	0.5 mcg	0.1 mcg		
Vitamin E	4.7 mg	0.5 mg		
Vitamin K	52.1 mg	5.6 mg		
Vitamin B1 (Thiamine)	0	0		
Vitamin B2 (Riboflavin)	0	0		
Vitamin B3 (Niacin)	0	0		
Folate	5.2 mcg	0.6 mcg		
Vitamin B12	0.3 mcg	0		
Vitamin C (Ascorbic acid)	1.1 mg	0.1 mg		
Calcium	10.6 m	ng		
	1.16/	0.1 mg		
Sodium	4.5 mg	68.2 mg		
Fluoride	-	-		
lodine	5.8 mcg	0.6 mcg		
Phosphorus	31.4 mg	3.4 mg		
Potassium	39.3 mg	4.2 mg		

Nutritiona

Health Benefits:

Since aioli is mainly based of good source of unsaturated working of the nervous system provides some vitamin A from the eyesight, and iron and blood lls. Aioli also provided lls. Aioli also provi

Allergy and Health Risks:

Aioli is very high in calories, on low-fat or low-calorie die it can be pretty high in sodius people with hypertension. To can cause severe allergic real label carefully when choosing

Alte

For colour and texture, use For the creamy texture, try quacamole.

For " Dur, replace with gas for a acamole.

Cooking Uses:

- Serve with fish and seaf
- Splash onto boiled potal beetroot, fennel, celery, of beans
- Add to boiled eggs and
- **Spread** on toast, instead
- Sprinkle on top of a pizz
- Serve with a classic chee

SPECHON COPY

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g – grams, **mg** – milligrams, **mcg** – micrograms

HORSERADISH, TARTARE SAUCE AND AIOLI

Other f	susceptible to

2. It's time to practise your vocabulary. List at least 10 words which could and aroma of horseradish. Avoid using words such as 'bad' or 'good',





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3. Research three different recipes for aioli and compare their nutritional calculator (for example http://explorefood.foodafactoflife.org.uk/). Suga healthiest, and why. [3.2.3.3, 3.2.3.4]

	Nutritional value: typical value	100 g recipe 1	100 g recipe 2
ľ	Energy	. `	
		i. conutrients	i
ľ	Fat	}	
	Saturnty (2)		
	1 Capaturated fats		
709	oiyunsaturated fats		
Education	Carbohydrates		
	Starch (polysaccharides)		
	Sugars (mono- and		
	disaccharides)		
	Fibre		
	Protein		
		Micronutrient	S
[Vitamin A		
	Vitamin D		
	Vitamin E		
	Vitamin K		
	Vitamin B1 (Thiamine)		
- [Vitamin B2 (Riboflavin)		
-[Vitamin B3 (Niacin)	5.0	
-[Folate		
ļ	Vitamin B12	1.2011	
ļ	Vitamin C (Ascorbic acir'		
ļ	Calcium	7 7	
ļ	Iron		
N	5 · ' r		
~	Fl. Gride		
	lodine		
ļ	Phosphorus		
ŀ	Potassium		
-	Magnesium		
L	g – grams, mg – milligrams, mcg	– micrograms	
•••			
•••			
		- 190 C 3 C 3	
••••			
90			
otion)		
2000			

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4. Compare the labels of three different tartare sauces available in the shadditives are used during the production of each sauce. [3.5.1.3, 3.5.1.2]

Tartare sauce 1	Tartare sauce 2
Zagara (Mariana)	

5.	Review the label of one tartare sauce again, and try to describe the fu	ı
	ingredients: [3.3.2.1, 3.3.2.2, 3.3.2.3, 3.3.2.4, 3.6.2.2]	

Vinegar	
---------	--

Egg yolk

Modified starch

Potassium sorbate

		///////	3		000	
Panacood oil	98		S	32		
napeseed on		• * * * * * * * * * * * * * * * * * * *		<i></i>		 • • • • •



Design a starter, a soup and a main dish, all of which contain horseradisexperience? Is it easier to use horseradish in some dishes than in others?



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17. SALSA ROJA PICAN



What is It?

Red sauce made from tomatoes, with the addition of salt and pepper. The sauce can be made cold or cook flavour, texture and nutritions. The large more or less hot. The and can be used, sals a real same any kind of sauce or dip.

Common Cuisina

This kind of riginated in Mexico, but is now popular everywhere commonly served as a dip with nachos or other savoury snacks. The word 'salsa' is a common name for sauce in Italy and Spain.

Storage:

Store in a cool p sunlight (a cupb the colour of the won't affect its q

Nutritional Information:

These values may differ between similar products.

Per 100 g	Per 1 tbsp (approx. 30 g)				
21.5 kcal	6.5 kcal				
ıtrients					
0.1 g	0				
0	0				
0	0				
0.1 g	ر ا ا				
4.6 n					
1. 1.	0.2 g				
4 g	1.2 g				
1.2 g	0.4 g				
0.9 g	0.3 g				
Micronutrients					
65.5 mcg	19.8 mcg				
0	0				
0.5 mg	0.1 mg				
6.3 mcg	1.9 mcg				
0.1 mg	0				
0	0				
0.6 mg	0.2 mg				
20.8 mcg	6.3 mcg				
0	0				
24.6 mg	7.4 mg				
14.4 m	l a i ing				
J. 2007	0.1 mg				
2.3 mg	197.3 mg				
~	-				
2.6 mcg	0.8 mg				
28 mg	8.5 mg				
20 1119	0.5 1119				
240.7 mg	72.8 mg				
	21.5 kcal atrients 0.1 g 0 0 0.1 g 4.6 n 4 g 1.2 g 0.9 g utrients 65.5 mcg 0 0.5 mg 6.3 mcg 0.1 mg 0 0.6 mg 20.8 mcg 0 24.6 mg 14.4 m 32.3 mg - 2.6 mcg				

Nutrition

Health Benefits:

Salsa, like any other sauce vitamin C, potassium and also contains vitamins A and maintenance of health in S. um lowers blood por lowestable for people on low diets. The basic recipe contains

Allergy and Health Risks:

Depending on how much suitable for consumption hypertension. If you're buy label carefully as it may consulfites and gluten (from stauce). Capsaicin from the mild irritant.

Alte

For hotness, replace with I For texture, replace with a mad, from Sharon fruit.

🕨 င၀.၀ur, use ketchup, r

Cooking Uses:

- Serve as a dip with nage quesadillas
- Sprinkle on top of ch
- Splash into sandwiche
- Spice up a tomato so
- Spread on toast inste
- **Stuff** pancakes and ball

COPY

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g – grams, mg – milligrams, mcg – micrograms

18. GUACAMOLE



What is It?

Thick sauce/dip made from mashed avocados with call for the addition of oil, lime juice, chopped red cherry tomatoes, chopped contact or ground peptides.

Common Cuisines:

Fibre

Magnesium

Guacamole originate in project, from where it spread to the USA and the fit world. Today it is a popular sauce used in many could with savoury dishes and snacks.

Storage:

Store in a cool sunlight (a cup the colour of the won't affect its

Nutritional Information:

These values may differ between similar products.

Nutritional value: typical value	Per 100 g	Per 1 tbsp (approx. 15 g)		
Energy	94 kcal	14 kcal		
Macronutrients				
Fat	9 g	1.4 g		
Saturated fats	1.9 g	0.3 g		
Monounsaturated fats	5.5 g	0.8 g		
Polyunsaturated fats	1.1 g	0.2 g		
Carbohydrates	2.4 g	0.4 g		
Starch	0.7 g	L		
(polysaccharides)	L			
Sugars (mono- and		0.2 g		

0.4 g

Protein	1.4 g	0.2 g		
Micronutrients				
Vitamin A	73 mcg	11 mcg		
Vitamin D	0	0		
Vitamin E	1.7 mg	0.3 mg		
Vitamin K	16 mcg	2.4 mcg		
Vitamin B1 (Thiamine)	0.1 mg	0		
Vitamin B2 (Riboflavin)	0.1 mg	0		
Vitamin B3 (Niacin)	0.8 mg	0.1 mg		
Folate	13.5 mcg	2 mcg		
Vitamin B12	0	0		
Vitamin C (Ascorbic	16.9 mg	2.6 mg		
acid)				
Calcium	18.8 mg	2.8 mg		
Iron	0.5 mg	027		
Sodium	275.4 mg/	1/nig		
Fluoride		~		
lodine	mcg	0.2 mcg		
Phosphoru	30 mg	4.5 mg		
Potassium Education	314.2 mg	47.5 mg		

Nutrition

Health Benefits:

The main ingredient of guarich in polyunsaturated fat functioning of the nervous Guacamole, depending on a source of vitamin C (which prevent anaemia) and potallt also provides lutein and and beta-sitosters and beta-sitosters coresterol levels.

Allergy and Health Risks:

As guacamole is quite calor moderation by those on a monounsaturated fatty acid increase the risk of auto-influencement are very rare – but ingredients used.

Alte

For the colour, try green period coriander.

For the creamy texture, replacements

For fin our, try using blens

Cooking Uses:

- Serve as a dip with nat quesadillas
- Splash into sandwiche
- Spread on toast, inste
- Stuff tacos, tortillas o
- Serve as a salad with

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g – grams, **mg** – milligrams, **mcg** – micrograms

18.6 mg

2.8 mg

SALSA ROJA PICANTE AND GUACAMOLE

Salsa roja picante and guacamole are just two of the many sauces original five other sauces which come from that country. [3.5.2] The ingredients for salsa and quacamole are usually sourced locally. W buying locally produced foods? [3.6.1.1, 3.6.1.2] What kind of date mark would appear on the packaging of guacamole Avocado (which is the main ingredient of guacamole) is a source of ur other plant foods which are rich in these substances. [3.2.1.2] a) b) c) d) e)



5. Study the labels of various types of salsa available in a supermarket, an are responsible for their spiciness. [3.7]

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Extension (3.5.3):

Only for the bravest! Set up a taste panel to compare three to five differentem from the mildest to the hottest. Is there anything you need to constitution

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Zig Zag Education

19. MARMITE



What is It?

Sticky, dark brown, salty paste made of yeast extract, which is brewing. It gained popularity during World War I as a source beriberi disease. Marmite is a source of hamiltaste.

Common Cuisines:

Marmite is a popular and condiment in Great Britain and Australia. A great stogan suggests, some people love it, some people hate the people hate the people hate the people is a popular of the people hate the people hat the people had the people hat the people had the people hat the people had the peo

Stc Mar a cup

Nutritional Information:

NUTRITION

		These values may differ in similar yeast extracts.		
Nutritional value: typical value	Per 100 g	Per portion (4 g)		
Energy	250 kcal	10 kcal		
Macron	utrients			
Fat	0.5 g	0.002 g		
Saturated fats	0.5 g	0.002 g		
Monounsaturated fats	-	-		
Polyunsaturated fats	-	-		
Carbohydrates	24 g	1 g		
Starch (polysaccharides)	1.9 g	0.076 g		
Sugars (mono- and disaccharides)	1 g	0,5		
Fibre	3 /g /	0.14 g		
Protein	j è g	1.56 g		
29 Vicron	utrients			
Vitamin A	0	0		
Vitamin D	0	0		
Vitamin E	0	0		
Vitamin K	0	0		
Vitamin B1 (Thiamine)	5.8 mg	0.23 mg		
Vitamin B2 (Riboflavin)	7 mg	0.28 mg		
Vitamin B3 (Niacin)	160 mg	6.4 mg		
Folic Acid	2500 mcg	100 mcg		
Vitamin B12	15 mcg	0.6 mcg		
Vitamin C (Ascorbic acid)	0	0		
Calcium	70 mg	2.8 mg		
Iron	2.9 mg	0.116 mg		
Sodium	3920 mg	156.8 mg		
Fluoride	-	-		
lodine	49 mcg	146 / 3		
Phosphorus	953	8 mg		
Potassium) 0 mg	84 mg		
Magnesiur 79	160 mg	6.4 mg		

rams, **mcg** – micrograms

Health Benefits:

Marmite is a source of prote and vegan diets instead of vitamins – thiamine, riboflav release energy from foods, prevent anaemia, and calciu Marmite also provides some proper functioning of the themetabolism. It is gluten-free in a part thin potassium, where

Allergy and Health Risks:

The original recipe contains allergen. Also, Marmite is veportion (4 g) provides 6.5% sparingly to avoid health copeople with hypertension or

Alte

For the colour, try using me For saltiness, use a vegetal For flavour, try replacing we

Cooking Uses:

- Spread on toast, crun
 - Sti into gravy, onion po atoes
 - Add a kick to sauces,
- Serve with fried sausa



20. STOCK CUBES



What is It?

Concentrated and dried vegetable, chicken or beef stock flavour to dishes.

Common Cuisines:

Folic Acid

acid)

Iron

Calcium

Sodium

Fluoride lodine

Phosphorus

Potassium

Magnesiur,

g – grams, m

Vitamin B12

Vitamin C (Ascorbic

Stock cubes significantly facilities coo is a even for unexperienced cooks, all around the war arriest stock cubes were known in seventeenth grand, and became popularised at the beginning of the twent tury. Nowadays they are used worldwide.

St Be⇔

in a

Nutritional Information:

These values may differ between similar products.

Nutrition a

Nutritional value: typical value	Per 100 g	Per 1 cube (6 g)		
Energy	217 kcal	13 kcal		
Macronutrients				
Fat	17.3 g	1.04 g		
Saturated fats	-	-		
Monounsaturated fats	-	-		
Polyunsaturated fats	-	-		
Carbohydrates	0	0		
Starch	0	0		
(polysaccharides)				
Sugars (mono- and	0	0		
disaccharides)	44	4		

Fibre 0.11 q **Protein** 0.81 a onutrients Vitamin A Vitamin D Vitamin E Vitamin K Vitamin B1 (Thiamine) Vitamin B2 (Riboflavin) Vitamin B3 (Niacin)

Health Benefits:

Stock cubes provide flavou be said about their positive chicken stocks usually have fat and sodium.

Allergy and Health Risks:

Stock cubes are usually qui quality) and are very high in ചാ ഗാർiovascular health

Alte:

For saltiness, use salt, soy seasoning.

For flavour, use home-ma

- **Season** soups, stews,
- Spice up marinades f crumbled stock with o
- Add to meatballs, bur add flavour and moist
- Improve the flavour
- Colour cooked rice, n

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Cooking Uses: 47 ma 2.82 mg 0.17 mg 2.8 mg 16800 mg 1008 mg 120 0 mgے۔ 23.4 mg

2.64 mg

0

44 mg

rams, **mcg** – micrograms

MARMITE AND STOCK CUBES - TAS

1. Calculate what percentage of the daily RNI for salt is provided in one and stock cube. What colour would you mark it if you were using the

Amount of sodium/salt	, mount of sodium
in one portion of	in one portion of s
Marmite	cube
RNI for sedict	RNI for sodium
% RN ded in one	% RNI provided in
portion of Marmite	portion of stock cu

	The label would be coloured	2
2.	Discuss whether stock cubes can be considered a vegetarian food pro)
		and the same
		pagagagag
		000000000000000000000000000000000000000
		Constant Control
		opocococococo
		Possessessessessessessessessessessessesse
		•
	Task Task	000000000

Task 🏻





3. Assess the nutritional value of a portion of Marmite (4 g) and indicate provides for a 16-year-old individual of your gender for each of the number below.

	Nutritional value: typical value	RNI for	Portion of Marmite (4 g)	% l for
	Energy		10 kcal	
an A	Mac	ronutrient	S	
	Fat		0.002 g	
72	Carbohydrates		1 g	
Eduration	Starch (polysaccharides)		0.076 g	
	Sugars (mono- and disaccharides)		0.04 g	
	Fibre		0.14 g	
	Protein		1.56 g	
	Mici	onutrients	3	
	Vitamin B1 (Thiamine)		0.23 mg	
	Vitamin B2 (Riboflavin)		0.28 mg	
	Vitamin B3 (Niacin)		6.4 mg	
	Folate		100 mcg	
	Vitamin B12		0.6 mcg	
	Calcium		2.8 mg	
	Iron		0.116 mg	
	Sodium		156.8 mg	

Now evaluate whe is the recommendations for your age and gen	

Extension (3.5.3)

Dissolve various kinds of stock cubes and r > 0 in order from the leading power results with the state r > 0 ach of the labels – does the labels correspond with the rescale saltiness of the solutions? Try to expend the solution of th



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What is It?

Acidic solution made of fermented alcohol, wine or cider. Coc contains from 5% to 20% of acetic acid

Common Cuisines:

There are more peculiary and some of them are specific to different come or regions. For example, balsamic vinegar come or régions. For example, balsamic vinegar comes from Italy, where rice vinegar is more popular in Asian cuisine. The most popular vinegar is distilled spirit vinegar.

Stor Vinega ambi∈

Nutritional Information:

These values may differ between similar products. Data is shown for a distilled spirit vinegar.

NI.	tri	*1/	nal
IVI)I <i>II</i> II
1114		110	,,,,

Nutritional value: typical value	Per 100 g	Per 1 tbsp (15 g)				
Energy	18 kcal	3 kcal				
Macronuti	rients					
Fat	-	-				

_	40	2
Energy	18 kcal	3 kcal
Macronut	rients	
Fat	-	-
Saturated fats	-	-
Monounsaturated fats	-	-
Polyunsaturated fats	-	
Carbohydrates	0.04a	
Starch		- T
(polysacchaire)		
Sugars (n. 💛 🌼 🕦 d	0.04g	0.04g
disaccharit Education		
Fibre	~	-
Protein	-	-

Micronutrients

Vitamin A

vicanini A		
Vitamin D	-	-
Vitamin E	-	-
Vitamin K	-	-
Vitamin B1 (Thiamine)	-	-
Vitamin B2 (Riboflavin)	-	-
Vitamin B3 (Niacin)	-	-
Folic Acid	-	-
Vitamin B12	-	-
Vitamin C (Ascorbic	-	-
acid)		
Calcium	6 mg	าข
Iron	0.03 ~ [ן א
Sodium	i ag	0
Fluoride Pos	-	-
lodine Education	~	-
Phosphorus	4 mg	1 mg
Potassium	2 mg	0
Magnesium	1 mg	0
		1

Health Benefits:

Depending on the type of vin and health outcomes. Apple help with weight loss by decre increasing insulin sensitivity, w diabetes. Balsamic vinegar co effection lowering LDL chol ுட் bi நற்g nealthy blood pres proteins, it makes them more

Allergy and Health Risks:

All vinegars are very acidic. The in vinegar, can wear away too decay. Also, the acid can be a especially in people suffering

Altern

For a milder flavour, try red or di For an acidic but sweeter taste, For use in dressings, marinades a For marinades, especially for most try buttermilk.

Cooking Uses:

- ົ∖ ່ອ p marinades for all k ு**r.egars** (e.g. sherry vinega Stir into salad dressings, BB
- **Splash onto** chips and stir-f
- Add apple cider vinegar to refreshing drink.
- Add a few drops to vegetab
- Pickle vegetables, such as s
- **Intensify the flavour** of ice with balsamic cream
- Vegans may choose to use a whites in recipes, such as for

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g – grams, **mg** – milligrams, **mcg** – micrograms

22. PICKLED GHERKII



What is It?

Cucumbers pickled in vinegar or brine. Depending on the met will contain different flavour, herbs and additives added, and herbs

Sto Sto Refr spoi

Common Cuisines:

Cornichons pickled in a vinegar solution, are characteristic poince. In Poland, cucumbers are pickled in salt water, which leads to fermentation and the production of lactic acid, which provides certain health benefits. In Sweden and Denmark, cucumbers are pickled which gives them a specific sweet taste.

Nutritional Information:

These values may differ between similar products. Data shown is for a cornichon (average).

Nutrition

Nutritional value: typical value	Per 100 g	Per 1 cucumber (60 g)
Energy	61 kcal	36.6 kcal
Macron	utrients	
Fat	0.1 g	0.06 g
Saturated fats	-	
Monounsaturated fats	-	
Polyunsaturated fats	-	
Carbohydrates	26 //	56 g
Starch	ِ 'ر. 'و '	0.12 g
(polysacc ² 79		
Sugars (m. color) d	2.4 g	1.44 g
disaccharioes/		_
Fibre	1.5 g	0.9 g
Protein	0.9 g	0.54 g
Micro	nutrients	
Vitamin A	_	_
Vitamin D	0	0
Vitamin E	-	-
Vitamin K	-	-
Vitamin B1 (Thiamine)	0	0
Vitamin B2 (Riboflavin)	0.02 mg	0.012 mg
Vitamin B3 (Niacin)	0.1 mg	0.06 mg
Folate	6 mcg	3.6 mg
Vitamin B12	0	0
Vitamin C (Ascorbic	1 mg	0.6 mg
acid)		1
		T 100, 20 JULY 27 27

Health Benefits:

As cucumbers pickled in are considered a source very beneficial for human prevent constipation and partiagens and produce group B vitamins. Some herbs and flavourings us horseradish will improve help to lower blood pres

Allergy and Health Risks: Although cucumbers are is recommended to careful may contain allergens, suggenerally high in sodium on a low-salt diet.

Alt_{e}

For flavour and texture, recapers.

For criour and flavour, use criour and flavour, use

Cooking Uses:

∠ mg

0.42 mg

414 mg

13.2 mg

70 mg

4.2 mg

- Serve as a snack, use in
- Slice to add to sandwice salad)
- Grate brine gherkins a
- Grate or chop into col
- Serve whole or cut wi
- Grate or chop finely to cheese with gherkins and

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g – grams, mg – milligrams, mcg – micrograms

∕r.

690 mg

22 mg

7 mg

117 mg

Calcium

Sodium

Fluoride

Phosphorus

Magnesium

Potassium

lodine

Iron

23. CAPERS



What is It?

Edible flower buds of the caper bush, about the size of green colour similar to that of olives. Their flavour place mustard, black pepper and horse as sh. Usually used sa Caper leaves may be us a i, + all of rennet in the proc

Common Cuisines:

Capers are

r i. அசர்the Mediterranean countries, from Morocco and Spain to James J. They are added well as sauces such as tartare sauce. y. They are added to salads, meat dishes and pasta, as

Sto Once

Nutritional Information:

These values may differ between similar products.

Nutritional value: typical value	Per 100 g	Per 1 tbsp (8 g)
Energy	23 kcal	2 kcal
Macronu	ıtrients	
Fat	0.86 g	0.07 g
Saturated fats	0.233 g	0.02 g
Monounsaturated fats	0.063 g	0.005 g
Polyunsaturated fats	0.304 g	0.026 g
Carbohydrates	4.89 g	0.42 g
Starch (polysaccharides)	-	
Sugars (mono- and disaccharides)		0.04 g
Fibre 109 00 00	3.2 g	0.3 g
Protein	2.36 g	0.2 g
Micron	utrients	
Vitamin A	7 mcg	1 mcg
Vitamin D	0	0
Vitamin E	-	-
Vitamin K	24.6 mcg	2.1 mcg
Vitamin B1 (Thiamine)	0.018 mg	0.002 mg
Vitamin B2 (Riboflavin)	0.139 mg	0.012 mg
Vitamin B3 (Niacin)	0.023 mg	0.002 mg
Folate	23 mcg	2 mcg
Vitamin B12	0	0
Vitamin C (Ascorbic acid)	4.3 mg	0.4 mg
Calcium	40 mg	, 3 mc
Iron	1 67 J	_u.14 mg
Sodium	7. 18 /ng	202 mg
Fluoride 7	-	-
lodine Education	-	-
Phosphorus	10 mg	1 mg

Nutrition

Health Benefits:

Capers contain some beta eyesight and healthy skin, a the LDL cholesterol levels in of quercetin, which inhibits and, therefore, alleviates al contain a lot of kaempferol antibacterial and an anti-in and ents diabetes.

Allergy and Health Risks:

Due to their production me sodium. They should, there people with hypertension a diseases. Excessive consum allergic reaction, especially consumption of capers low they are best avoided by pe

Alter

For colour and flavour, use For spiciness, try using picking For flavour and texture, to For colour and saltiness, re pickled challots.

Coaling Uses:

- Rinse before use to ren
- Add whole to salads, s
- Sprinkle on top of roas
- Spice up roasted chick
- **Use** in starters, snacks,
 - Serve with cold cuts an
- **Chop** to add to sauces
- **Improve** the flavour of
 - Fry in a little oil to ope garnish

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g – grams, mg – milligrams, mcg – micrograms

40 mg

33 mg

3 mg

3 mg

Potassium

Magnesium

VINEGAR AND PICKLES - TASK

1.	Briefly describe how vinegar is made. Is the same process used in the products? [3.6.2.1, 3.4.1.3]
2.	Suggest why vinegar can help when poaching eggs.[3.3.2.1]
۷.	Suggest with vinegal carrier when poaching eggs. [5.3.2.1]
3.	Cucumbers pickled in brine undergo a kind of fermentation. What is p production of what other food products uses the same process? [3.6.2.1,
	During fermentation
	Other food products produced using ferr en con include:
	7.9 Education
4.	Vinegar is an ingredient of many sauces and condiments. List at least
	1
	2
	3
	Task
	72.8 conceptor

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5. Compare the nutritional values of distilled spirit vinegar and balsamic healthier to use, and why. [3.2.3.3]

Nutritional Per 100 g distilled Per 100 g b value: spirit vinegar vineg typical value 18 kc ₃ Energy Carbohydrates Sugar partial v.04 g i...saccharides) Calcium 6 mg 0.03 mg Iron Sodium 2 mg **Phosphorus** 4 mg **Potassium** 2 mg Magnesium 1 mg

Extension [3.7]

Design five different starters / finger foods / canapés which use pickles of ingredients.



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24. CUSTARD



What is It?

Dessert sauce made from milk or cream and addition of sugar and flavourings, such as var nutmeg, and sometimes for strick or cans and plastic pots.

Common Cuisines:

Custard is various partitish cuisine, where it is poured over desserts and pudding ench cuisine, custard is thickened with cornstarch to make a crème pâtissière, which is used to fill choux pastry and other types of baked goods.

S. U. Ho ne

Nutritional Information:

These values may differ between similar products.

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Nutritional value: typical value	Per 100 g	Per 1 tbsp (10 g)
Energy	95 kcal	9.5 kcal
Macron	utrients	
Fat	3.4 g	0.34 g
Saturated fats	1.57 g	0.16 g
Monounsaturated fats	1.07 g	0.1 g
Polyunsaturated fats	0.28 g	0.03 g
Carbohydrates	10.9 g	1.09 g
Starch	-	-
(polysaccharides)		
Sugars (mono- and	10.9	.ua g
disaccharides)	(4/2/2/	
Fibre 719	727	-
Protein	5.9 g	0.59 g

Sugars (mono- and	1000	≥ ∞0a d				
disaccharides)	F : (-//					
Fibre 719		-				
Protein 69 Cotton	5.9 g	0.59 g				
Micron	utrients					
Vitamin A 43 mcg 0.43 mcg						
Vitamin D	0.6 mcg	0.06 mcg				
Vitamin E	0.28 mg	0.028 mg				
Vitamin K	-	-				
Vitamin B1 (Thiamine)	0.04 mg	0.004 mg				
Vitamin B2 (Riboflavin)	0.3 mg	0.03 mg				
Vitamin B3 (Niacin)	0.1 mg	0.01 mg				
Folate	12 mcg	1.2 mcg				
Vitamin B12	1.3 mcg	0.13 mcg				
Vitamin C (Ascorbic	1 mg	0.1 mg				
acid)						
Calcium	130 mg	13 mg				
Iron	0.37 mg	0.04 mg				
Sodium	73 mg	7 <u>2</u> 1				
Fluoride	- 7					
lodine	5) sa /	4 mcg				
Phosphorus	mg (در	13 mg				
Potassium 69	129 mg	12.9 mg				
Magnesium Education	9 mg	0.9 mg				
g – grams, mg – milligrams, m	cg – microgram:	5				

Health Benefits:

As custard contains milk are such as calcium, vitamin D, a source of HBV proteins. Conecessary for the proper fund potassium, necessary for pressure.

miergy and Health Risks:

As custard is usually a sweet calories, so shouldn't be eat want to lose weight. Also, as lactose, so should be avoide Remember that milk and eg contains cholesterol, which struggling with high blood.

Alte

For texture and flavour, used in an egg of thickening mixtures are

Cooking Uses:

- sponge, ice creams and
 - Thicken with cornstar ideal for filling puff pas
- Set with gelatine and fruit sauces
- Sweeten a natural you
 - Freeze to obtain custa



CUSTARD - TASK SHEET

	••••	
•••••	•••••	
•••••		
Describe	the stage of makin	g custard (you can draw a picture of o
what ! 1	🦫 as 🌣 each stage	in terms of heat transfer and scientific
[skill 8, 3.3	i, 3.3.1.1]	
ſ		
1.		
2.		
۷.		
Г		
3.		y >> -:
	7.9	
6	uccidor	
4.		
5.		
		<i>W</i> "
	109 109	
6.		

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Why, when cooking custard, does it require constant stirring? [3.3.2.2] pr. ٫ 🗦 gredients and their amount, custard can be called Compare the labels from five or six different brands of custard, and list brand. [3.5.1.3] **Extension** [3.3.1, 3.3.2] Custard is usually made of milk/cream, egg yolk, sugar and cornstarch. investigate how various ingredients affect the quality of custard. You could check: different types of milk (e.g. skimmed, semi-skimmed, cream (e.g. single, whipping, double, low fat), different amounts or types caster, icing), different amounts or types of flour (e.g. cornstarch, plain w

ANSWERS

Soy sauce, miso, fish sauce

- 1. Any five recipes using miso, e.g. *misoshiru* (miso soup), stir-fry, miso-glazed
- 2. First the soybeans are soaked in water and then cooked
 - Wheat is roasted and crushed.
 - Then the soybeans are mixed with what and Aspergillus oryzae fung
 - The whole mixture is brack in a fermented.
 - After fermentating is shed, the liquid is drained and collected by p
 - The sc sis then pasteurised to stop any further fermentation
- 3. Burmes hese, Filipino, Hawaiian, Indonesian, Japanese, Korean, Taiwai Vietnamese, Singaporean, etc.

Also, soy sauce is used more and more often in cuisines all around the world

4. Salt and umami

Curry paste and coconut milk

1. Yellow curry usually contains: shallot, lemongrass, yellow chilli, ginger, garlic cinnamon, nutmeg, cumin, tamarind, coriander, lime, Kaffir lime peel

Green curry usually contains: garlic, shallot, green chilli, lemongrass, galang coriander seeds, white pepper, turmeric, paprika

Red curry usually contains: red chilli, garlic, lemongrass, shallot, galangal, sleepper

- 2. Coconut milk can be seen as healthing the continuity because:
 - It is not an allergen so it is the choice allergic to milk
 - It doesn't contain to the safe for lactose-intolerant people
 - It is in saturated fats
 - It is a lot of potassium, which lowers blood pressure
 - It is anoiesterol free
 - It provides magnesium to support muscle contractions

Cow's milk can be seen as healthier than coconut milk because:

- It contains vitamin A to support eyesight, healthy skin and membranes
- It contains vitamin D to support calcium absorption and bone health
- It provides more calcium than coconut milk
- It is low in calories
- 3. The hardest nut is macadamia, which requires around 300 pounds of pressure



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Mustard, mayonnaise and ketchup

Students should indicate either ketchup or mustard as being the healthiest of relevant explanation behind their choice.

Ketchup might be considered healthier because:

- It is low in calories
- It is fat-free
- It is rich in vitamin A
- It provides antioxidants
- zrs blood pressure It is high in potassium That is

Mustard : gh' i . o. dered healthier because:

- It i toward in sugars
- It provides dietary fibre
- It is a source of group B vitamins
- It is rich in potassium, which lowers blood pressure
- It provides selenium, which acts as an anticarcinogenic
- It provides lutein and zeaxanthin, which support proper vision
- It improves digestion and prevents heartburn
- Calculated with the use of https://www.nutrition.org.uk/nutritionscience/n ingredients/nutrient-requirements.html?limit=1&start=2

Nutritional value: typical value	RNI for boys aged 16	RNI for girls aged 16	Per 100 g
Energy	2,964 kcal	2,414 1	692 kcal
Fat	115 g		77 g
saturates	11 3 }	11.5 g	11.54 g
Sugars (mono- and disaccharicae	18.5 g	15 g	3.85 g
Sodi 100	1,600 mg	1,600 mg	692 mg

Students should leave the 'energy' traffic light white.

- Sugar green
- Fats red
- Saturates red
- Sodium/salt red

Energy	Y Fat	Y Saturates \	Sugars	Salt
692 kcal	77 E	11.54 g	3.85 g	1.73 g
23%/28%	67%/82%	100%	%/2.3%	43%

- 3. Students briefly de A. A. Stages of mayonnaise production, in the correct
 - gs 🕠 ashed to remove bacteria and prevent salmonellosis. 1.
 - 2. proken and separated into yolk and white (although dried egg)
 - 3. The egg yolk is mixed with milk and/or water, and spices (salt, sugar, v
 - Then the oil is added slowly and blended into the mixture.
 - 5. The mixture is then pumped through membranes to homogenise it and in the future.



Functions of the ingredients:

- oil is the main ingredient of mayonnaise; it is a bulking agent, provides nutr
- egg yolk is an emulsifier and colourant, and provides nutritional value
- milk or water is added for texture and to act as a solvent for other ingre
- vinegar, salt, sugar and other ingredients, such as paprika, are added for
- 4. When buying a ketchup it is important to pay attention 'c' (students should in the following):
 - Use-by date to make sure the pro 'that it is not overdue'
 - Amount of tomatoes used and indicated as '100 g of product was more tomatoes, the same and the
 - Americo ded
 - A 79 of salt added
 - Other gredients, such as preservatives and potential allergens
 - A buyer can also pay attention to such features as: the provenance of ing organic, Fairtrade), if any GM ingredients or animals were used during p ingredients used are kosher, what the cost of a bottle/jar/kilogram/litre is
- 5. Students indicate at least three from:

Health benefits:

- a source of lycopene (prevents cancer/slows down ageing)
- a source of Vitamin C (boosts immunity, stimulates production of collag
- contains vitamin C to boost immunity
- provides vitamin A (necessary for healthy eyesight)

Disadvantages:

- has high sodium levels which may increase blocd ssure
- contains sugar and acid which together range cases faster tooth decay
- has a lot of sugar so cannot be entry in a letics

HP brown sauce or in a sester sauce: British favourites

- 1. Studer 79 ca 30 stages of Worcester sauce production in the correct ord
 - 1. File one and garlic are put into a pickling barrel with malt vinegar,
 - 2. In other barrels, anchovies cured in salt are stored for several months.
 - 3. Once the other ingredients (onion/garlic mix and anchovies) are mature prepared as a preliminary stage of the actual production of the sauce.
 - 4. First, malt and white vinegar are put into a large vat, then tamarind, mo
 - 5. The liquid is mixed and then the pickled onions and garlic are added, to pickled in.
 - 6. The mixture is mixed again, and then salt, sugar and spices are added.
 - 7. The whole mixture is pumped into maturation tanks, where it is kept for
 - 8. The sauce is then pressed through a sieve to remove larger bits, and ble
 - 9. The sauce is then pasteurised and bottled.
- 2. The sauces should be avoided in such health conditions as:
 - Hypertension and kidney diseases (high am a soft sodium)
 - Diabetes (high amount of sugar).
 - Fish allergy anchovies in February sauce
 - Coeliac disease i Saren from malt vinegar
 - Stomen a wife in unders (high amount of vinegar may be an irritant)
- 3. The sat all uld be stamped with a 'best before' date mark as it is naturally therefore, shouldn't be susceptible to spoilage.
- 4. Worcester sauce is not a perishable food, despite the fact that it is moist and a It is naturally preserved with vinegar and, therefore, is not susceptible to specific to specific the susceptible that succeptible the susceptible to specific the susceptible to specific the susceptible to specific the susceptible to specific the susceptible the susceptibl
- 5. The common ingredient is tamarind.

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Tabasco sauce and BBQ sauce

- 1. Depending on the brand, BBQ sauce may contain various ingredients which such as preservatives, mustard and celery.
 - Students should study three labels to pick at least three out of the 14 allerger include on a food label (from: celery; cereals containing gluten: wheat, barley lupin; milk; molluscs; mustard; nuts; peanuts; sesame as soya; sulfur dio
- 2. Tabasco sauce owes its colour to the chilline, personal during the production colourants in original Tabasco sauce over the chilline, personal during the production colourants in original Tabasco sauce over the chilline personal during the production colourants in original Tabasco sauce over the chilline personal during the production colourants in original Tabasco sauce over the chilline personal during the production colourants in original Tabasco sauce over the chilline personal during the production colourants in original Tabasco sauce over the chilline personal during the production colourants in original Tabasco sauce over the chilline personal during the production colourants in original Tabasco sauce over the chilline personal during the production colourants in original Tabasco sauce over the chilline personal during the production colourants in original Tabasco sauce over the chilline personal during the production colourants in original tabasco sauce over the chilline personal during the production colourants in original tabasco sauce over the chilline personal during the production colourants and tabasco sauce over the chilline personal during the production colourants and tabasco sauce over the chilline personal during the production colourants and tabasco sauce over the chilline personal during the personal
- 3. It is a scale used to the different pungency (hotness) of chilli peppers (in Scoving Pungency (hotness))
- 4. Pa ptors on the tongue and in the mouth.
 - Pulturacy/spiciness/hotness of chilli peppers is not a taste so it is not rec
 - It is, in fact, a pain experience.

Tahini

1. Calculated with the use of https://www.nutrition.org.uk/nutritionscience/ningredients/nutrient-requirements.html?limit=1&start=2

Nutritional value: typical value	RNI for boys aged 16	RNI for girls aged 16	Per 100 g
Energy	2,964 kcal	2,414 kcal	586 kca
Fat	115 g	94 g	50.87 ຊ
saturates	11.5 g)1.5g	۶ 7.124
Sugars (mono- and	10	15 g	
disaccharides)		10 g	0.4 გ
Sodium	1,500 mg	1,600 mg	12 mջ

79.9 20.00000				Salt
Energy	Fat	Saturates	Sugars	Salt
586kcal 20%/24%	50.87 g 44%/54%	7.124 g 62%	0.4 g 2%/2.7%	0.03 g 0.75%

(Energy stays white, fat and saturates – red, sugars and salt – green)

- 2. Although tahini is quite rich in iron, it has to be remembered that it is a absorbed by the digestive system.
 - Also, there is no vitamin C in tahini, which could ancease the absorption
 - Overall, tahini cannot be considered agod maary source of iron, despite
- 3. Tahini is also used in Chir servicusine, Greek, Israeli, Korean, Japane under different pa. 1



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Horseradish, tartare sauce and aioli

- 1. The reason why acid is added to grated horseradish is to prevent enzym
 - When grated, the cells of horseradish are damaged, and the enzymes in
 - The oxygen in the air activates those enzymes, causing them to transform in the horseradish into brown pigments (melanin).
 - Adding vinegar or lemon juice deactivates the enzymes and, therefore,
 - Other food ingredients susceptible to enzyming are bananas, poname but a few.
- 2. Students should use words sand strangent, hot, spicy, nippy, aromatic, bitt
- 3. Students shoul was three different recipes for aioli (e.g. one using egg yo oil, and sing low-sodium salt).

Students identify at least two macro- or micronutrients which make one of the two, e.g. high content of polyunsaturated fatty acids, low content of sodium,

- 4. Students carefully read the labels and identify various food additives in tartal additives from colourants, stabilisers, thickeners, preservatives, antioxidants, e.g. acidity regulator (acetic acid), modified maize (thickener), stabiliser (gual flavour enhancer (glucose fructose syrup), thickener (xanthan gum), preservaciourant (turmeric), acidity regulator (citric acid).
- Vinegar preservative, flavouring
 Egg yolk emulsifier, nutritional value, colour
 Modified starch thickener
 Potassium sorbate preservative
 Rapeseed oil bulking agent, nutritional value, texture
 Or any other suitable answer.

Salsa roja picante and quicamole

- 1. Students list at locally ower sauces originating in Mexico, e.g. pico de gallo negra, The na go salsa, chipotle sauce, corn salsa, or any other suitable examples.
- 2. Students snow their knowledge and understanding about how food product food quality. Students list at least four advantages of locally produced foods
 - no need for transportation
 - low carbon footprint, low gas emission
 - supporting local farmers
 - supporting local economy
 - food is fresher
 - food is cheaper
- 3. There are two kinds of guacamole available on the market.
 - Fresh guacamole is packed in plastic bowls/containers and has a use-by any preservatives.
 - Processed guacamole is packed in glass bott' and sealed, often will process, and would display a best book of days to a week.
- 4. Students list at least to our plant foods rich in unsaturated fatty acids, e.g peanured in the cashew nuts, sunflower seeds, flaxseeds, chia seeds, plant cocon and cocon to should **not** be considered as they contain mainly such ain triglycerides) fatty acids.
- 5. Students list ingredients used in salsa sauces which make them hot and spicy extract, cayenne pepper, chilli extract, guajillo peppers, dried jalapeno.

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Marmite and stock cubes

1. A portion of marmite (4 g) provides 9.8% of RNI for sodium, while a portion of RNI for sodium.

Both should be labelled as red.

- 2. Vegetable stock cubes contain only herbs and spices o can be considered
 - Chicken stock cubes contain small amounts (20 and 3%) of chicken-derivation.
 - Beef stock cubes contain ⁴⁰/₂ e_ξ x₆ and also cannot be considered
 - The exercise should be tradents into checking various stock cube labelisted and the property tention to detail the animal-derived ingredients are
- 3. i)

Nutritional Value: typical value	RNI for boys aged 16	RNI for girls aged 16	Portion o Marmite
Energy	2,964 kcal	2,414 kcal	10 k
		Macronutrien	ts
Fat	115 g	94 g	0.00
Carbohydrates	370 g	301.75 g	
Starch (polysaccharides)	351.5 g	287 g	0.07
Sugars (mono- and disaccharides)	18.5 g	15 g	0.0
Fibre	25 g	25 g	0.1
Protein	111 g	90 g	1.5
		roi atrient	S
Vitamin B1 (Thiamine)	i m	0.8 mg	0.23
Vitamin B2 (Riboflavin)	/ r.3 mg	1.1 mg	0.28
Vitamin B3 (Na)	18 mg	14 mg	6.4
128	200 mcg	200 mcg	100 n
Leducation B12	1.5 mcg	1.5 mcg	0.6 n
Calcium	1,000 mg	800 mg	2.8 33
Iron	11.3 mg	14.8 mg	0.116
Sodium	1,600 mg	1,600 mg	156.8

ii) Students should consider points for and against the idea of consuming to

For consuming two portions daily:

- Two portions of Marmite would provide around 50% of RNI for the to 90% of RNI for niacin, 100% RNI for folate and 80% RNI for vita
- As thiamine, riboflavin, folate and vitamin B12 are water-soluble, them from the body, preventing the effects of overdosage, so from good part of an everyday diet.
- Also, it is high in vitamin B12, which are coccur in plant-derived choice for vegetarians and a wino might otherwise lack that v

Against consuria and arrions daily:

- _____op f Marmite a day would provide almost 20% of the re-
- It is mineral is widely present in many foods, it is best to minimum for that reason, Marmite consumption should be limited

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Vinegar and pickles

- 1. Students indicate fermentation as the process used in the production of vine
 - First, alcoholic fermentation is conducted by yeast.
 - During that process, the sugars in the liquid are transformed into alcohol
 - This same process is used in the production of wine, beer and cider.
 - Yeast fermentation is also used in bread manufacturing.
 - The second step is acidic fermentation conductory bacteria.
 - During this stage, the alcohol is turned into it, changing the flavour of
- 2. Poached eggs are cooked with a transferred the egg yolk and egg w

The addition of the process of egg white denaturation, which poach 1997 whout so-called 'feathering').

- 3. The fermentation is conducted by *Lactobacillus* as a result, lactic acid is production of sauerkraut, yogur
- 4. Vinegar is commonly used to prepare mayonnaise, mustard, ketchup, some horseradish, etc., or any other appropriate examples.

5.

Nutritional value: typical value	Per 100 g distilled spirit vinegar	
Energy	18 kcal	8
Carbohydrates	0.04 g	1
Sugars (mono- and	0.04 g	1
disaccharides)		
Calcium	6 mg	2
Iron	0.03 m	0
Sodium		2
Phosphorus	[↑] ₄ mg	1
Potassium	2 mg	1
Magram	1 mg	1.

Balsam gar might be healthier to use because:

- It is higher in calcium, which is needed for bone health
- It is higher in potassium, which lowers blood pressure
- It contains magnesium, which supports muscle contractions

Distilled spirit vinegar might be healthier to use because:

- It is lower in sugars, so doesn't contribute towards obesity or tooth deca
- It is very low in calories
- It is lower in sodium, so doesn't increase blood pressure



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Custard

- 1. Saturated fats, sugar, sodium and cholesterol all increase the risk of cardiova
- 2. A basic recipe for custard goes as follows:
 - 1. First the egg yolk is beaten with sugar whisking mechanical leavening
 - 2. Then the cornstarch is added beating mechanical leavening incorp
 - 3. Separately, milk and cream are cooked together duction and conver
 - 4. Meanwhile, milk and cream can be infusion fit and a infusion
 - 5. Hot milk/cream mixture is slow of leggs the temperature cause coagulate
 - 6. The whole mixton and convection control of the whole mixton and gelatinisation, potentially sugar caramelisation
- 3. During water and burst.

 If not stirred constantly, they would set at the bottom of the pan forming una
- 4. Crème anglaise is a thin, sauce-like custard poured over desserts.
 - Crème patissière is a thick, creamy version, used to fill pastries, doughn
 - Crème brûlée and Spanish flan are very similar, but contain no starch.
 - Custard cream should not count as it is a kind of a biscuit, not a cream/s
- 5. The allergens present in custard include milk, cream (milk), egg yolk (egg). Some ready-to-use products may also contain other allergens, such as butter powder (milk), wheat flour (gluten), etc.





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