British cuisine

Cuisine may be affected by various factors, such as climate, type of soil available for growing plants, or history.

Immigrants and conquerors in the past have brought many new meals, ingredients, spices and cooking methods, not previously known in the UK.

Distinctive features and characteristics of cooking Main Ingredients used, traditional dishes and other factors which distinguish the cuisine from others.

Traditional ingredients: Beef, lamb, pork, poultry, bacon and

- Potatoes, onlons, leek, peas, beans,
- Milk and cheese (e.g. Cheddar, Stilton)
- Herbs, such as mint and sage

Traditional meals and dishes differ depending on the region (see below).



Equipment and cooking methods

Kitchen utensils, dishes and cooking methods specific for a given culsine

Equipment:

Cuisine is a style of cooking characteristic for a given region or country, which uses specific ingredients, dishes, preparation and cooking methods.

- Open fire for roasting, now exchanged with ovens
- Thick ceramic dishes used for stews, soups and sauces
- Tins and moulds for making puddings, ples and tarts

Cooking methods:

- Stewing, simmering and braising
- Roasting and baking
- Grilling and barbeculng Poaching



Eating patterns

The meals during the day vary between countries – both the time at which they are eaten and the types of meals that are served. This is changing dynamically due to busy lifestyles.

- Breakfast—eaten in the early morning; traditionally very filling; nowadays lighter: may consist of toast with coffee or a bowl of
- Elevenses small, usually sweet snacks eater
- Elevenses smill, usually sweet snacks eater around 11 am with a cup of tea or coffee Brunch eaten before noon Instead of breakfast and lunch, usually at weekends or during business meetings Lunch midday meal consisting of a sandwich, stad or sough traditionally, a Sunday lunch is more filling and consists of seasons and the sundanger of the consisting of sandwich, stad or sough traditionally, a Sunday lunch is more filling and consists of roasted meat, vegetables, Yorkshire pudding
- and gravy
 Afternoon tea eaten in the afternoon,
 consists of a pot of tea or coffee with a range
 of small snacks, sandwiches, biscuits and
- Dinner hot meal eaten in the early evening, the main meal of the day
- Supper consumed a bit later than dinner, usually replaces it

Northern Ireland

Colcannon - mashed potatoes with

Presentation styles

How the food is served - how it appeals to the appetites and tastes of consumers.

- Presentation is usually simple, some garnish or sauce may be used to make the food more appetising.
- Meat or fish is served accompanied by potatoes, vegetables and gravy
- Puddings are also served with sauces, e.g. custard
- Desserts are served in Individual



Traditional and modern variations of recipes

Traditional recipes can be modified to suit busy lifestyles, healthy eating patterns or medical conditions. Variations help to make the meal faster, easier and cheaper to cook.

- Meats, sausage and bacon can be exchanged with low-fat or low-salt products, or substituted with protein alternatives, such as soy chunks or tofu Traditional breakfast is replaced with
- lighter options, such as toast with Jam and orange Julce or a bowl of cereal Instead of frying, people may choose to roast, grill or dry-fry the food to make it
- healthier and less fatty
 Lard and suet may be exchanged for
 vegetable oils and spreads
 New ingredients are introduced to meals
- as importation allows for a greater variety of foods

<u>Traditional foods of Great Britain</u>

- England
- Cornish pasty
- Yorkshire pudding Lancashire hotpot lamb and vegetable stew topped with mashed
- potatoes Clotted cream, cream tea
- Fish and chips
- English breakfast rich and high in calories, contains bacon, sausages, baked beans, buttered toast, fried egg, fried mushrooms and tomatoes
- Sandwiches
- Sunday roast
- Beer and cider

Wales

- Cawl meaty broth served with
- Welsh rarebit spiced melted cheese served on toast
- Glamorgan sausage Welsh cakes
- Bara brith rich yeast bread with
- Laver bread stewed laver weed Tatws popty - potatoes baked with onlon under a thick layer of cheese
- bacon or lamb and vegetables
 - kale and cabbage Soda bread Black pudding - sausage made from pork fat, blood and oatmeal
 - Shepherd's ple Irish stew
 - Oatmeal Irish cream
 - Whiskey and beer

Scotland Porridge

- Scotch broth
- Dunlop cheese
- Kippers smoked herring Tatties and herring
- Haggis sausage made from sheep offal and barley
- Scotch ple ple with mutton meat filling
- Oatcakes, scones
- Shortbread
- Neeps and tatties potatoes with suede (turnip)



















International cuisines,

Cuisine depends on a region: its culture, religion, climate and weather conditions, and even plant and animal species that live there. For centuries, countries and regions have created a variety of meals, cooking dishes and methods, and even serving and eating patterns, which are characteristic of them



Distinctive features and characteristics of cooking Main Ingredients used, traditional dishes and other factors which distinguish the culsine from others. Includes: Italy, France, Spain, Greece, North Africa,

- Includes: Italy, France, Spain, cisece, room nurse, Turkey Ingredients: olives and olive oil, grapes and wins, fuh and seafood, tomatoes, aubergines, courgettes, when (e.g. in coursous, paria, semolina), beli peopers, citrus fruits, applicots, herbs (stiffice, thyms, oregano, majorano), guile and oxfor, beans and lentis, mik and daily.
- Typical meals:
- talian: risotto, pitta, spaghetti, mozzareža, risotta French: casserolo, ratatoužie, fish soup boužiabalsse, selection of cheeses, croissants,
- Spanish: paells, cured and dried ham, omelette, gaspacho
- gaspicho
 Greekt moustaka, tratilik, feta, filo pastry
 Moroccot tabboulah, hummus, bulgur, couscous,
 tagina, harissa
 Turkish: Borek, pilav, kebab, sheep cheese,
 bakkay, halva

China Each canton in China has its own regional cuitine and Each canton in China has its own regional cuitine and user different ingredients and spices (e.g. Stechuan and Cantonere) Ingredients: noodles and rice, pork, duck, chicken, Chinese cabbage, water chestnuts, burmoo shoots, the control of th

peanut oil Traditional meals: steamed or fried rice, chicken soup with noodles, tofu and stinky tofu, moon cake, spring rolls, wontons, dumplings, chow mein, sweet and sour

Ingredients: sice, soya, fish and seafood, noodles, seaweed, eggs, seasonal foods, green tea, wasabl

Traditional meals: sushi, tempura, donburi, udon noodles, miso soup, sashimi

india Also differs from region to region Shaped by colonialism and development of trade Ingredients: pearl millet, rice, lentils, chick peas, beans, peanut oll, coconut milt, ghee butter, paneer cheese,

many rich spices
Traditional meals: fired paneer, vindaloo curry, rogan
Josh, korma, bhaji, tandoori chicken

Chinese cabbage, water chestnuts, bamboo shoc mushrooms, beansprouts, soy, soy sauce, tychee fish and seafood, eggs, ginger, garlic, sesame and

cuisine

Japan

ing to Baking Frying Fremering and stowing

Simmering and stewer Grilling Steaming and boiling

igment:

Wok – deep, rounded pan

Chopsticks – used instead of cutlary

Bamboo strainers – used to drain wontons and

Equipment and cooking

methods

Kitchen utensils, dishes and cooking methods specific to a given cuisine.

pment: Clay ovens used for baking, now exchanged for electric or gas ovens Thick ceramic dishes for stews Paellera – shallow frying pan used to make paella Taglane – a dome:shaped clay dish used to prepare tagloes in Arabic countries

- dumplings
 Cleaver large, heavy-duty knife used by chefs
 Brightly coloured lacquerware and porcelain
 dishes used to serve foods

Equipment: Tandoor oven — cylindrical clay oven used to roast and bake, typical for

India and Central Asla Handl – deep, wide metal cooking dish

Cooking methods: Deep-frying, frying, rossting, stewing, steaming

- king methods:
 Stif-frying and deep-frying
 Steaming and boiling
 Red steving (cooking with addition of a red-dyed
- ilpment:
 Chopsticks used Instead of cutlery
 Knives famous for their sharpness
 Shing methods:
 Deep-frying, grilling and steaming
 Eating raw fish, vinegared dishes

宿

- Breakfast is rather light, may consist of soy milk,
- and vegetables Dinner is large and often eaten in a restaurant, with a broad selection of meats and vegetables Soup is eaten throughout a meal, not only at thu

Typically three meals a day
Early breakfast, might contain boiled white rice
with various sides
Lunch may be substituted with light snacks
Dinner, usually shared with family or friends

Rich, filling breakfast is important to provide

Rich, filling breaklast is important to provide energy for the whole day Betel leaves may be eaten after the meal to support digesilon Evening meal is usually eaten with the whole family—It is the most important meal of the day



Traditional recipes can be modified to sult busy lifestyles, healthy eating patterns or medical conditions. Variations help to make the meal faster, easier and cheaper to cook. Traditional meals are quite time-consuming to prepare, so are often exchanged for more modern, faster to cook meals People often choose to eat out or order take-

variations of recipes

- People with the away way way way had and cream may be exchanged for lighter versions, e.g. yoghut People more often choose, healthy, natural, organic foods in Morocco, more modern cooking includes the use of fewer spices and calling more raw wastables.
 - vegetables
 Culinary shows make cooking more trendy and
 Inspire people to cook at home more often





- Traditionally, meals were served in individual dishes; nowadays, they are placed in the middle of the table for people to share and try all of
- of the cause of proper of the meal In the Tailing is now allowed during the meal In the past people arely spoke while eating Modern Metayle has caused a dramatic increase in obesity rates in China International cuisines are gaining in popularity,



- Foreign meals are eaten more often, such as American burgers, Korean limchi, Hawaïan spa musubi and Chinese ramen
- Meat consumption has increased during the last 50 years Meals can be skipped or replaced with light snacks



- People more often use cutlery to eat, especially the middle class
 - the middle class.
 The use of many nuts may need a replacement which is suitable for nut-allergy sufficers.
 The colline is middly vegetarian.
 The use of many valous spices may also pose a risk for allergy sufficers, as well as deterring people who don't eely spice for the people who don't eely spice for the people who don't eely spice for the people who don't ever the people who ever the pe

Eating patterns

Meals vary between countries; for example, the time of day at which they are eaten and the types of meals that are served. This is changing dynamically due to busy lifestyles.

- In Italy and France, especially on large occasions meals can have many course (usually a starter, soup, main disk, saled, cheera and estere), usually accompanied by wine breakfast might be carbor small and sweet, e.g. croissants with jam and coffee in Spain, a siesta (short nap) it taken after the midday meal

- midday meal
 Dinner in Spain (cons) and Greece (wadino) is
 eaten quite late after Spm
 In Morocco and other Arabic countries, meals are
 clebrated and along time is spent eating
 In Turkey, hands and mouth are washed before
 and after eating. Traditionally, it was considered
 to be good manners to betch and lick one's
 fingers while eating; nowadays it may be
 considered rude

Presentation styles

How the food is served - how it appeals to the appetites and tastes of the consumers.

Most meals are quite simple, consisting of 4–8 ingredients only, but they are usually very colourful

Very colourful dishes Served in many small bowls for people to share May be garnthed with spring onlons or herbs Chopsticks are provided instead of cutlery The use of a knille may be seen as offensive



Föods are often served with rich, thick stuce, e.g. cury A selection of dishes is served for dinner to share. Traditionally eaten on low stools or cushfors Food is traditionally eaten with hands, not cutlery food may also be served on banana leaves

TO SA

*This provides two cuisines, however schools or colleges/students can select any two different cuisines



rood sources

- Soll quality
- Availability of water and other resources
- Availability of land suitable for growing plants and pastures
- The size of a population and how much food needs to be

Other factors, such as religion and ethical beliefs of local communities, also play an important role in deciding what foods will be made in the nearest area.

For example, more and more free-range eggs are produced in the UK nowadays due to popular belief that free-range hens are happier and produce better-quality eggs, but also to ensure animal welfare standards are kept.

Food source type	Where	- Example -	What for?
Grown	Orchards	Apples, plums, avocados, cherrles, nuts	Fruit, nuts, animal feed
	Fields	Root vegetables, grains, seeds, legumes	Food, animal feed, fertilisers, bioenergy
	Polytunnels	Lettuce, radish, strawberrles	To ensure availability all year long
Reared	Sheds, barns	Cattle, pigs, horses, poultry	Meat, milk, leather, feathers, eggs, work, bloenergy
	Fish farms	Fish, seafood	Food, animal feed
Gathered	In forests, near the roads	Wild berries, mushrooms, herbs	Medicines, beverages, herbal teas, spirits and liquors, pickles
Caught	Open spaces and forests	Wild animals, game and venison	Food, enjoyment
	Oceans and seas	Wild fish, seafcod	Food

Farming

A farm is an agriculture establishment in which crops are grown and livestock is reared for profit. The two main ways of farming include:

Organic farming

- No chemicals
- No artificial fertilisers
- No herbicides
- No GM feed or seeds
- Antiblotics are only used when necessary Crop rotation may be applied to preserve soil quality Animal welfare standards are kept

Intensive farming

Chemicals such as pesticides, herbicides and artificial fertilisers are used to prevent crop failure

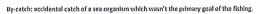
- Antibiotics are used to prevent diseases in livestock, not to cure
- GM feed and seeds are used to obtain high-yield crops Animal welfare standards are often violated

Sustainable fishing

Rearing fish and seafood in fish farms for meat, caviar, pearls, animal feed or other reasons Sustainable fishing means that fishing in natural fisheries is allowed only for certain periods of time so that the shoal of fish has the chance to reproduce and restore itself.

Advantages of fish farms:

- Protect natural ecosystems
- Prevent overexploitation of fisheries Keep animal welfare standards
- Protect wild species diversity



Disadvantages of fish farms:

- The fish tanks are often overcrowded
- Fish might be fed low-quality feed which affects their flavour and nutritional value
- Fish might be fed antibiotics, increasing the risk of antibiotic resistance

Sustainable fishing policy is set by the Marine Stewardship Council

Methods of fishing:

Purse seining: fishing with the use of a large net in which fish and other sea organisms

Longlining: fishing with the use of a longline to which other lines are attached, each of which ends with a hook

Bottom trawling: pulling a large net along the sea bottom, used to catch shrimp and bottom-dwelling fish



Food production

The way food is made affects its quality, safety and yield.

Modern technologies help to obtain high amounts of food while ensuring it's safe to eat and nutritious.

Egg production

Symbol	Name	Conditions
0	organic	Birds are fed only organic feed, animal welfare standards are applied
1	free- range	Hens are let outside the barn during the day to enjoy the most natural conditions possible
2	barn	Birds can move freely around the barn, but may have trimmed beaks to reduce injury caused by fighting among themselves
3	cage	Hens are kept in tight cages, without being able to move

Red Llon Scheme Is a quality mark which ensures that all hens have been vaccinated against salmonella so the eggs are safe to eat. tion Quality



Local and seasonar round Characteristic of countries or regions, as well as certain Local and seasonal foods

- fresher
- more nutritious tastler
- empowers local farmers supports local communities
- may be cheaper than Imported foods supports biodiversity of species
- offered limited availability /short time for
- purchase depends on weather conditions

limited offer / small variety of foods

- and local climate
- may be more expensive than imported food



Genetically modified foods

Come from GM animals or plants, or GM microorganisms
are used during production.

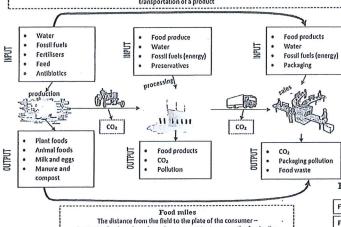
- resistance to pests and unfavourable
- more nutrients, e.g. beta-carotene in Golden Rice
- fewer pesticides and herbicides are
- higher yield of crops = more food stay fresh for longer, shelf life is
- no known long-term health effects
- use of viruses and bacteria may pose risk of spreading new diseases GM seeds can contaminate natural habitats and decrease species variety
- pests, bacteria and viruses may
- develop resistance and pose new

Food and the environment, and sustainability of food

Why is carbon dioxide so dangerous?

Food production, at each of its stages, emits large amounts of carbon dioxide. Carbon dioxide creates an impermeable layer around Earth. When warmth is reflected from the Earth's surface, it is caught by that layer and bounces back. As a result, the average temperature on Earth rises, and that affects plant and animal species.

Carbon foolprint
The amount of carbon dioxide and other greenhouse gases emitted into the environment during production and transportation of a product



Importing food products from distant countries increases the food miles

How food production affects

the environment and communities

deforestation. The way we produce and transport food is also meaningful to those who produce it: farmers, farm workers, and

Tonnes of used packaging are thrown away every day

Animals, birds and fish swallow the debris and die

→ Some materials used for packaging NEVER decomposel

Packaging

Food production has a direct and an indirect effect on the

environment by creating various pollutants or by causing

Fossil fuels are used to produce many types of

even people working in your local shop.

→ Unrecycled packaging creates pollution

packaging

Each step of food production has a huge impact on the environment. Overexploitation of natural resources, such as water, soil and fossil fuels, together with transportation and packaging of food, contribute significantly to climate change.

Climate change

... the effect of this process is known as global warming. Global warming means that climate conditions change and plants cannot grow anymore, because they are not used to the new conditions. Also, as it is warmer, oceans evaporate faster, and this leads to severe hurricanes and massive rainfall, which damage even more crops by causing flooding.

Carbon dioxide and other greenhouse gases The heat cannot escape into space and the

> Glaciers melt and sea levels rise, while oceans aporate faster due to higher temperatures

perature of the atmosphere rise:

Fierce hurricanes, rainfall and tornadoes devastate the land

Crop failure due to floods and droughts

Food shortages, famine, wars and death

Greenhouse gases Vapour, CO₂, nitrous oxide, methane, ozone, CFCs absorb infrared radiation and trap heat

Global warming

extravagant release of greenhouse gases





Food availability

Climate change affects food availability. Droughts caused by faster evaporation of waters, and floods caused by massive rainfall are causes of crop failure around the world. Crop failure means that there are no plants to eat, and no food for animals.

Food security - when all people, at any time, have access to nutritious, healthy food in sufficient amount

Food availability may be increased by:

- The use of GM seeds and organisms to produce more food
- Modern technologies to store food for longer
- Transportation of food around the world, e.g. to those who affected by famine

Food availability may be decreased by:

- Climate change and the effects of global warming
 - Insufficient land for growing food
 Growing world population which requires more food
 - Overexploitation of soil and fisheries
 - Limited resources such as water and fossil fuels

Seasonal foods

Spring: sprouts, kale, lettuce, spring onlon, radish Summer: peas, berries, courgettes, cucumbers, apricots, cherries Autumn: apples, pears, plums, aubergine, pumpkin, celery

- Are often produced locally, so reduce food miles and carbon
- Are higher in nutrients and tastler than off season

Food waste

- Buy and cook too much
- Don't eat the food before it goes off
- Waste of money, pollution, carbon footprint increase Methods of prevention:

- Plan shopping, don't go shopping when hungry
 Only cook as much food as needed
 Eat everything on the plate or store leftovers for later
- Reuse food products to make new meals



Fairtrade

A foundation and ethical movement focused on supporting farmers and

sustainability of food.

Advantages of Fairtrade: Ensures fair wages and prices

Improves working conditions

Empowers local communities,

Supports education and growth in

Helps to protect the environment

farmers and workers

developing countries

Food products which are characteristic of a given season, because this is when they are ripe and are harvested

Winter: potatoes, carrots, parsnips, beetroots, Brussel sprouts, onlons Advantages of seasonal foods:

footprint Are cheaper in season

Store food correctly to avoid spoilage Use peelings and scraps to make compost

Food choices

Religion often dictates nutritional regime, indicates what foods can be eaten and when, and what foods should be avoided.

	Rastafarians	Buddhists	Muslims	Jews	Hindus	Sikhs	Christians
Eat	t-tal Coconut oil, herbal tea, fruit and juices, vegetables	Avegetarian diet	Halal food only	Kosher food only	Milk A mainly vagetarian diet	A vegetarian diet	Generally everything, no special restrictions
Don't eat	Pork and other meat Salt Milk Coffee Alcohol	Alcohol Meat	Pork Alcohol Fish and shellfish without scales	Shellfish Pork Meat with dairy Off	Beel Alcohol	Alcohol Kosher or halal food Beef	Meat on Fridays
Holldays or fasting periods	Ethlopian Christmas (7 th Jan) Grounation Day	• Vesak—Buddah's birthday	Ramadan – month-long fasting period during which Muslims can eat only at night	Passover Rosh Hashanah Yom Kippur Hanukkah	Diwali – festival of lights	• Guru Nanak's birthday	Lent - period of fasting lasting for 40 days before Easter Easter Christmas
Other	I-tal means clean, natural, pure	Don't kill animals purposefully but would not refuse meat if given	Halal means permitted, allowed	Xosher means clean Matza is a special unleavened bread	Cows are sacred animals	Karah Parshad pudding eaten during the holiday	Many festive foods, usually different for Easter and Christmas; Christmas pudding, hot cross buns, chocolate Easter eggs

Fasting means that a percannot eat any food for a give period of time. Sometimes water and other beverages are

Alcohol consumption is forbidden by most religions



Ethical beliefs
People may choose to eat or avoid eating certain products because of their ethical or moral beliefs.

- (i). Whether animals or people suffer during food production
- M. How food Is made
- How food production affects the environment



Fairtrade

Global movement focused on ensuring fair working conditions, prices and wages to farmers and workers In developing countries.

- Improves working and living conditions
- Supports education and development
- Empowers farmers and their families



Animal welfare

Movement focused on ensuring the well-being of animals and humane conditions for rearing animals.

- How animals are treated
- How they are treated for medical conditions or protected from diseases How they are slaughtered What their living conditions are like



GM foods

Organic foods

Plants and animals are grown and reared in the

most natural way possible.

→ No chemicals

No antibiotics

No pesticides or herbicides

No artificial fertilisers

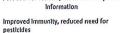
→ No GM feed or fertilisers

DODODE DNA DODODE Carrier of all information about a living organism, in the form of a double helix tightly packed in a cell's nucleus

Gene

Part of a DNA strand, which carries specific Information

- pesticides
- Higher crops and smaller risk of food shortage More nutrients (e.g. Golden Rice)
- Unknown health effects
- Probably cause morbid obesity Potentially cause cancer



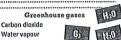


Local produce Fresher, tastier, cheaper food

- products Fewer food miles and lower
- carbon emissions
- Support for local farmers and
- societies
 No need for long-distance transportation

Food miles

Carbon footprint Indicates how much carbon dioxide and other greenhouse gases were emitted during the production and transportation of a give



- Carbon dioxide
- Nitrous oxide
- Chlorofluorocarbons

warming.

Medical conditions

Many people cannot eat certain products because they would cause harm to their bodies.

Food intolerance

Reaction of the digestive tract to a food ingredient

What are the most common intolerances?

- ✓ Lactose the sugar naturally occurring in milk
- Gluten the protein naturally occurring in wheat, barley, rye and oats Symptoms and diet

- Food Intolerances cause bloating, stomach cramps or diarrhoea, but aren't dangerous. People should avoid eating certain foods or
 - eat them in small amounts only.



Food allergy

Reaction of the immune system to a food ingredient What are the most common allergens? Nuts, eggs, milk, wheat, fish and shellfish

Symptoms and diet

Allergens may cause a severe, life-threatening reaction anaphylactic shock.

People with allergies have to avoid the foods they are allergic to for their entire life.

Physical activity level

Amount of energy needed to perform all daily tasks, such as waking up, showering, exercising, working and shopping. The more active a person, the more energy they need.

If you eat more than you need (your PAL is low), you are likely to gain weight.

If you do not eat enough, or you are very active (your PAL is high), then you are likely to lose weight.

Keep your diet balanced to maintain weightl \$

Healthy eating A balanced and varied diet is key to a long life!

Healthy foods and snacks may be:

low-fat low-sugar

high-fibre

or a combination of these.



Food availability

amount and variety of food depends on:

- → food production possibilities
- transportation and import from other countries

Seasonal foods might be cheaper in their harvesting season,



Some foods may be unavailable beyond their harvesting season or may be more expensive.

People may prefer seasonal foods for various reasons:

- → locally grown, cheaper, fresher, tastler
 → want to decrease the environmental Impact food miles
- and carbon footprint



Cost of food

The price of food products varies depending on:

- quality
- → quantity in a package
 → brand
- → place you're shopping in

Supermarkets usually have lower prices than convenience stores on most products. Food may be cheaper if you look out for special offers, meal deals and discounts.



Income

Disposable income is the amount of money a family can spend on goods such as food and rent.

The amount of money available determines the quality, quantity and variety of food which can be bought.

Low-income families may choose high-fat and highsugar products since they are usually cheaper than healthy foods such as fruit or vegetables.



Preferences

Some people have a 'sweet tooth' and tend to choose more sugary foods, while others prefer savoury and will tend to buy salty or more bitter foods.



People often like to eat certain foods for enjoyment.

This may include popcorn and fizzy drinks at the cinema, ice creams or candyfloss at an amusement park or toffee apples for Halloween

> These foods tend to be more fatty and sugary than everyday food.



The way in which people live often means they

Reasons for choosing them usually include the need to lose weight or maintain health.

- → busy schedules
- no time for shopping and cooking
- no time for eating

A healthy lifestyle should include home-cooked food and regular meals during the day. There is a variety of healthy snacks and foods which are ready to eat:

- portioned fruit and vegetables
- protein shakes and smoothles
- sandwiches, salads and soups



Time available to prepare food

Fond choices are driven by many

Factors influencing

food choice

very important when planning diets, meals a

- Busy schedules and lack of time People choose ready-to-eat foods, order in or eat out more
- People choose simple recipes which don't take too long to

Time of day (in the UK)

- Breakfast: sandwiches, cereals; more filling meals are served at weekends or during holidays
- Lunch: pasta, salads, sandwiches or eat out
- Dinner: more demanding foods, soups, stir-fry, curry, pie, order in or eat out



Celebration

Food plays a large role on various special occasions. To celebrate, people eat:

- more food special festive food
- more fatty or sugary foods than usual

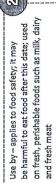
People celebrate with food on various occasions:

- birthdays weddings anniversaries
- funerals
- religious events



Food Idbelling Proper labelling of food products is important to ensure food safety (e.g. for allergy sufferers) and nutritional and nutritional sequences.

people know what is inside the package, e.g. butter or butter-like spread Name of the food is important so that



although its flavour, colour or appearance may usually safe to eat the food after this date, Best before - applies to food quality; it is be changed; used on dried, preserved or tinned foods such as jams and pasta

compare prices between products; and so that the consumer knows how many Quantity is given so that it is easier to portions of food the package contains

Warnings are given as necessary, e.g. may contain nuts, source of phenylalanine

List of ingredients is shown in descending largest amount to the one which used in order, from the one which is used in the the smallest amount

track where the food comes from in case of Name of the company is important to food spoilage, anaphylactic reactions, pieces of glass inside, etc.

6

track the whole lot and remove it from the spoilage or contamination - it is easier to The lot number is useful in case of food

Storage conditions are given if needed, e.g. refrigerate after opening, suitable for freezing

the food, without poisoning themselves people to properly prepare and enjoy Instruction for preparation helps

case of food poisoning, but also for people Country of origin is important to track in who prefer to eat locally produced food

Food legislation authorities

III Allergens – ingredients which may cause an

allergic reaction – are shown in bold

List of allergens which HAVE to be indicated

on the label

Cereals containing gluten: wheat, rye,

×

barley, oats

Peanuts

XX



European Parliament and the European Council

Food Standards Agency

Food label: mandatory information

- Name of the food Date marks 000
- Quantity, e.g. in litres, grams or

ന

List of ingredients Warnings 6 60

Molluscs: oyster, squid, cockles, mussels, winkles, scallops, snails, e.g. oyster sauce

×

Crustaceans: prawns, crayfish, lobster,

Fish, e.g. cod (fish), salmon (fish)

Sesame, e.g. tahini (sesame)

Mustard

Soybeans, e.g. tofu (soya)

X XX

- Name and address of the producing, packing or selling company

(molluscs)

- Necessary instructions for use or Special storage conditions The lot number 000
- preparation

ගුම Country of origin ගුණ Allergens ගුණු Nutrition declaration

டு

12 Nutrition declaration informs consumers of the amount of certain nutrients per 100 g or portion of product and % of GDA it provides

(red) amounts of sugar, fats, saturated fats, and salt in a portion of a food product. Fraffic light label may be used to indicate low (green), medium (amber) or high



Some food labels may include non-mandatory information, such as a picture of the food, health and nutritional claims or serving suggestions. Non-mandatory information

low energy', 'low fat', 'sugar free', 'source of Statement regarding nutrient content, e.g. Nutritional claim

nutrient a person

should eat each

ි ග

GDA - guideline

œ

daily amount -

amount of a

Calcium is needed for the maintenance of benefits of eating a given product, e.g. Statement suggesting potential health Health claim

> avoid under- or day to remain

healthy and

over-nutrition

healthy teeth and bones

listed in a specific order... Nutrients have to be

. Carbohydrates, inc.

Fat, inc. saturates

Energy

- Fibre, if any Proteins
- Salt or sodium Vitamins and

Marketing influences

Various techniques and methods which aim to increase sales and maximise profit BUY 1'GET

BODOP one free) which buying two or more indicated products means

A type of special offer in

... MEAL DEAL

Other versions include 'buy one, get one half price' or 1 FREE of a product means that another pack of Special offer whereby buying one item Chuy one, get the same product will be free. 'three for the price of two'.

> that the price is cheaper than when buying them

separately.

Queensland nut, e.g. flavourings (almond).

Nuts: almond, hazelnut, walnut, cashew,

pecan, Brazil, pistachio, macadamia,

(SOOS)

ADVERTISING Posters, TV spots, newspaper

to promote a product and make it

publications and other actions taken

Usually, special offers include discounts when buying larger SPECIAL OFFER amounts of a given product, free gifts, vouchers, etc.

large impact on food choices by using a technique

called 'product placement'.

The television, radio or newspapers may have a

MEDIA INFLUENCES

Milk, e.g. Cheddar cheese (from milk)

Eggs, e.g. powdered yolk (eggs)

Celeny

Sulphur dioxide or sulphites, e.g.

oreservative (sulphur dioxide)

W

shortly before its 'best before'

'use by date.

A specific type of special offer

desirable for consumers.

is selling food more cheaply

Point of sales

characters or characters from popular sitcoms to make the food look 'desirable', 'fashionable' and

'cool'.

Satraire (192, Sugars 2c., Salt 2:4

Energy 2% 478 2% Fat 8 3%

A food product is used by famous actors, movie

checkouts, usually containing relatively expensive items chocolate bars and other Food stand located near such as chewing gum, sweets.

spend a lot of time standing in products more often if they People tend to buy these a queue.

This applies especially to children and teenagers, as they tend to follow what's 'cool' in their age group,

e.g. smoking.

PEER PRESSURE

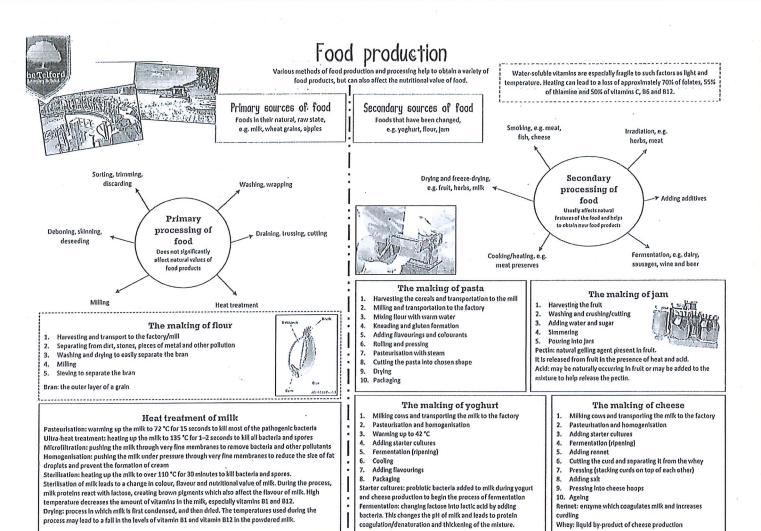
PESTER POWER

The ability of children to force their parents to buy them sweets, toys or other things.

Food packages are often colourful and eye-catching to make them desirable for children. This technique uses pester power to increase sales.







Technological developments associated with better health and food production

Modern technologies not only help to obtain high-yield crops, but also help to better preserve and improve nutritional value of food to support healthy living.

Supporting health

What we eat has a huge impact on our health. Eating too little may lead to deficiency of a given nutrient. This is important since processing of food often leads to a decrease in its nutritional value – higher calorie content, but lower vitamin and mineral amount, etc.

Governments and producers strive to make food safe and healthy for consumers by adding substances which are beneficial for health.

Cholesterol-lowering spreads

Cholesterol: fatty substance necessary for correctly transporting fats around the body. It is found in many animal-derived foods, such as meat, cheese and eggs. Cholesterol does not occur in plant-derived foods.

-> LDL is 'bad' because it increases cholesterol amount in blood where it can be

- used to build plaque in blood vessels
- → HDL is 'good' because it transports cholesterol to the liver, which can remove its excess from the body

Health outcomes of increased cholesterol levels and excessive fat consumption:

- → In excess, cholesterol may be deposited in the blood vessels, creating atherosclerotic plaque
- This increases the risk of hypertension, CHD, heart fallure and stroke.

ne fat spreads are enriched with plant sterols and plant stanols. These substances have proven to be effective in lowering blood cholesterol level and preventing atherosclerosis.



Food fortification

During processing, many food products lose their nutritional value.

The function of food fortification is to:

- Restore the nutritional value of foods
- Improve the nutritional value of foods
- Make food more suitable for certain groups of consumers
- Prevent diseases caused by malnutrition

foods are fortified by law

Wheat (four and bread	Thiamine	To prevent beriberi disease, help release energy from food
	Niacin	To prevent pellagra, help release energy from food
	Calcium	To prevent rickets and osteoporosis
	Iron	To prevent iron deficiency anaemia
Vegetable fat spreads	Vitamin A	To prevent growth and eyesight issues, such as night blindness
	Vitamin D	To prevent rickets and osteoporosis
Semi-skimmed and skimmed milk	Vitamin A	To prevent growth and eyesight Issues, such as night blindness

Other foods, such as cereals and fruit juices,

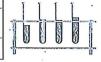
60% Wholegrain Rolled Oats, 38% Wholegrain Oat Flour, Calcium, Niacin, Iron, Riboñavin 82, Vitamin 86, Thiamin B1, Foke Acid, Vitamin D, Vitamin B12.

Food additives

All food additives must be carefully tested before they can be used in food products. They are listed on the food label along with their E number and their function.

	Advantages	Disadvantages
Colourings	Improve the look of food Make food more appetising	May be used to hide poor quality of food May cause hyperactivity in children
Emulsifiers and stabilisers	Prevent the ingredients from separating Maintain the texture of food	Flatulence and bloating May be used to hide poor quality of ingredients used
Flavourings	Improve the taste and smell of food Make food more appelising	May be used to hide poor quality of ingredients used Increase appetite and make people eat more than they need
Preservatives	Enhance shelf life of food Description and spellers	May cause allergy response and anaphylactic shock Mitcales may contribute to cause development.

Food additives may be natural (e.g. beetroot extract used as a colouring agent) or synthetic (e.g. citric acid).



Genetic modifications

Each cell of a plant or animal has a nucleus, which contains its DNA. DNA is built of tiny fragments called genes, which encode all information about the organism.

Modern technologies have allowed people to manipulate and change the DNA code. It is possible to:

- → Cut out unwanted genes to avoid diseases or eliminate bad features → Modify the sequence of genes to change the Information
- they carry → Paste new genes to a DNA strand to give the organisms
- new features

If a plant or an animal's DNA has been changed, we say the organism has been called genetically modified.

Advantages of GM foods

- Resistant to weather conditions
- Resistant to pests Need fewer nutrients to grow

- Less need for fertilisers and herbicides
 Animals produce more muscle tissue and milk
- Produce high-yield crops necessary to feed the growing
- May have more nutrients than the natural species (e.g. Golden Rice)
- May have more Intense flavour or colour

Disadvantages of GIVI foods

- GM seeds contaminate fields and lower biodiversity of plant species
- No proof that they are safe to eat May increase the risk of allergies and cancer
- May contribute to the growing rates of obesity in the
- The use of bacteria and viruses in production can cause
- the creation of new diseases
 May lead to antibiotic resistance and the spreading of diseases which are difficult to fight off
- Pests may develop resistance and the use of pesticides may increase drastically when this happens