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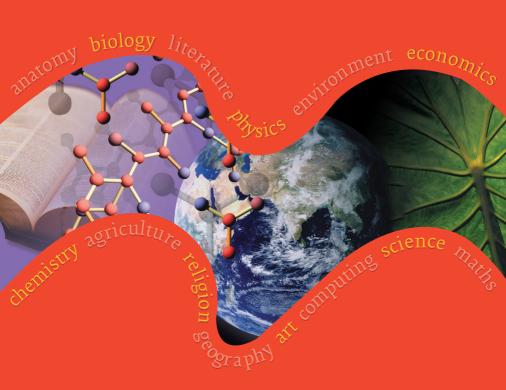
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MACMILLAN School School DICTIONARY



This brochure contains the following pages from the *Macmillan School Dictionary:*

- a full contents list
- sample pages from the letter C
- 2 pages of illustrations
- Study Skills sample pages

with additional pages on:

- how to use the dictionary
- the other dictionaries in the Macmillan Dictionary series

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Features of the MACMILLA

Clear layout for ease of use -

Full coverage of up-to-date pronunciation, spelling and meaning

Hundreds of synonyms and opposites

Information on spelling with inflections for irregular and semi-regular verbs, adjectives and nouns

Common grammar patterns for students to learn

Helpful example sentences, based on real-life spoken and written English, show how and when the word is used

Each meaning is numbered, / with the most common sense shown first

Simple, clear definitions are written using a carefully selected 'defining vocabulary' of 3,000 words

Special help boxes on word families, synonym sets and vocabulary building

General word selection based on the 200 million word World English Corpus, supplemented with specialist subject vocabulary based on a 20 million word corpus of school curriculum coursehooks compatriot

able to be used together with another piece of computer equipment or software 3 likely to have a good relationship because of being similar \$\ \text{INCOMPATIBLE: } \(\text{We're just not compatible.} \)—compatible to more than the compatible of the piece of the p

compatriot /kəm'pætriət/ noun [C] someone who is from the same country as

compel /kam'pel (compels, compelling, compelled) verb [T] to force someone to do something

compelling /kəmˈpelɪŋ/ adj 1 interesting or exciting enough to keep your attention completely: a compelling story 2 able to persuade someone to do or believe something: compelling evidence

compensate / 'kompon.sett/ verb 1 [i] to change or remove the bad effect of something: Their enthusiase compensates for their lack of skill. 2 [i/T] to pay someone

their lack of skill. 2 [VT] to pay someone money because they have suffered an injury or loss: They were compensated for the damage to the house.

compensation / kompan'setf(a)n/ noun
1 [U] money that someone receives because
something bad has happened to them: She
was awarded £2, ooo compensation for her
injuries. 2 [C/U] something that changes or
removes the bad effect of something: He uses
speed as compensation for his lack of
strenath.

compete /kam'pitt/ verb | 11 to try to be more successful than other companies or people in business: We're too small to compete with a company like that. 2 to try win a competition: Her dream was to compete in the Olympics. ◆ You will be competing against the best athletes in the world. ◆ Ten teams will compete for the trophy.

Word family: compete

Words in the same family as compete

- competition n
 competitive adj
 competitively
 - titive adj uncompetitive adj etitively ■ competing adj
- competitiveness n

competence /'kompitans/ noun [U] the ability to do something well: I am not questioning your competence.

competent / 'kompitent / adj 1 capable of doing something well 2 good enough, but not extremely good ≠ INCOMPETENT —competently adv

competing /kəm'pixtin/ adj competing arguments, claims, or theories cannot all be true

competition / kpmpo'tu[(a)n/ noun 1 [U] the activities of companies that are trying to be more successful than others: intense

147

competition between the tw
2 [U] the activities of peopl
get something that other p
There is a lot of competition
must emphasize that we
competition with you. 3 [c]
in which people try to win
better than other people:
competition in the local ne
PHRASE the competition
company, or thing that so
with: Let's look at what th
doing and do it better.

The competition can be singular or plural verb.' look at what the compe Let's look at what the codoing.

competitive /kəm'pet
competitive activity is c
companies or teams ar
each other: the struggl
competitive marketplad
others: a wide range o
competitive prices 3 al
successful than other
competitive player
competitive prices nour

competitor /kəm'pe company that sells the services as another 2 in a sports competiti

compilation / kpm set of things such as brought together fro

compile /kəm'paıl book using informa places —compiler

complacent /kəm who is complacent relaxed because th something easily, be true —compla /kəm'pleis(ə)nsi

complain /kəm'r you are not satisf are you complain to complain to th that it was too h

complaint /kən statement that y something: / int There's been a d 2 [C] something about: The mai 3 [C] an illness

complement combine well v sweater that w jewellery

complement

clothi of clo clothi cloud¹ white

clo

sky: a more of son a huge cloud² to thin feeling

make s

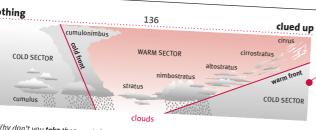
confus further such as it, it be cloudle

no cloudy / cloudy / 1 full of clove /k

bud that food 2 a cloven h BIOLOGY I COW or a

clover / 'I plant with Farmers g improve t

N SCHOOL DICTIONARY



/hy don't you **take** those wet **clothes off**? uild your vocabulary: words you can se instead of clothes

Clothes is a general word meaning things that you wear'. It is always plural:
His clothes were dirty. \$ I bought some new clothes. If you want to talk about one thing that you wear' use a piece/an tem of clothing.

Dress is a less common word and refers o special clothes that are typical of a particular country or time: men in national dress

dress is a single piece of clothing worn y a woman.

loth is material made of cotton or other brics, used for making clothes, ırtains etc.

ng /ˈkləʊðɪŋ/ noun [U] clothes: a piece thing ♦ waterproof clothing ♦ the ng industry

/klaud/ noun [C] **1** GEOGRAPHY a or grey mass of drops of water in the few white clouds in the sky ♦ There's cloud than yesterday. 2 a large amount ething such as smoke or dust in the air: cloud of black smoke

/klaud/ verb **1** [T] to affect your ability k in a sensible way: Make sure that your s do not cloud your judgment. 2 [T] to omething more complicated or ng: Unanswered questions have clouded the issue. 3 [I/T] if something glass clouds, or if something clouds omes difficult to see through

s /ˈklaʊdləs/ adj a cloudless sky has

ˈklaʊdi/ (cloudier, cloudiest) ad clouds **2** a cloudy liquid is not clear

ləʊv/ noun [C] **1** a brown dried flower is a spice, used for adding flavour to section of a bulb of garlic

oof /ˌkləʊv(ə)n 'huːf/ noun [C] he foot of an mammal such as a sheep that has two separate parts ໄອບvə/ noun [U] a small flowering

leaves that have three round parts. row clover for feeding cows and to he soil.

clown /klaun/ noun [c] 1 a performer in a circus who wears funny clothes and does silly things 2 someone who is stupid or annoying

club1 /klnb/ noun

1 society for activity 2 sports team & staff 5 suit of playing cards 3 place for dancing 6 stick as weapon 4 stick for golf

1 [C] an organization for people who take part in a particular activity, or the building that they use: Why don't you join a chess club? Are you a member of the club?

2 [C] a team of sports players and the staff who work with them: Manchester United football club

3 [C] a place where people go in the evening to dance and drink

4 [C] a long object like a stick used for hitting

Fig. a Jung ouject time a Suck used for intuitive ball in golf = Golf clubs

5 clubs [plural] the suit (=group) of playing cards that has a pattern of three blackballs on a black stem: the king of clubs

5 (a) a thick because thick word as a Jung pon 6 [c] a thick heavy stick used as a weapon

club2 $/kl_{\Lambda}b/$ (clubs, elubbing, clubbed) verb [T] to hit someone with a heavy object

club foot noun [C] HEALTH a foot twisted to one side as a result of a medical condition club-'footed adj

clubhouse / 'klnb,haus/ noun [C] the building used by members of a sports club

 $\boldsymbol{\text{cluck}} \ / kl_{\Lambda}k/ \ \text{verb} \ [\text{I}] \ \text{if a chicken clucks, it}$ makes its usual short low sound —cluck noun

clue /klu:/ noun [C] 1 an object or fact that helps someone to solve a crime or mystery. Detectives were brought in to help search for clues. Police still have no clues as to the identity of the killer. 2 a piece of information that helps you to understand something: His face gave her no clue as to what he was thinking. 3 a word or phrase provided to help you guess the answer in a crossword

PHRASE not have a clue informal to not know or understand something: 'What's wrong with him?' 'I don't have a clue.

clued up / klu:d 'Ap/ adj informal someone who is clued up knows about a particular subject or situation

Informative two-colour illustrations relating to curriculum content

Menus in longer entries help you find the meaning you need auickly

Subject-specific words highlighted throughout

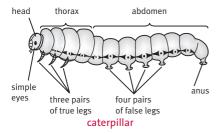
Stress patterns are shown where no separate pronunciation is given

Frequent collocations and fixed phrases shown in examples

Phrases, phrasal verbs and idioms are given at the end of an entry

Style and usage information for when a word is used e.g. spoken, written, informal, formal, humorous, offensive, literary, old-fashioned

- clear and definite way —categorical / kætəˈgɒrɪk(ə)l/ adj
- categorize /'kætɪgəˌraɪz/ verb [T] to put people or things into groups according to their qualities = classify —categorization /,kætɪgəraɪ'zeɪ[(ə)n/ noun [U]
- category / 'kætəg(ə)ri/ (plural categories)
 noun [c] a group of people or things that have
 similar qualities: There will be two winners in
 each category. * The proposal would ban
 some categories of weapons.
- cater / 'ketta/ verb [I/T] to provide food and
 drinks at an event such as a party or
 meeting —caterer noun [C]
 - PHRASAL VERB 'cater to sb to provide a particular group of people with something that they want or need: There are more and more TV shows catering to young male audiences.
- catering /'keɪtərɪŋ/ noun [U] the job of organizing the food and drinks for an event such as a party or meeting
- caterpillar / 'kætə,pılə/ noun [C] BIOLOGY the larva of a butterfly or moth. It has a wormlike body, with three pairs of true legs and several pairs of false legs.



- catfish / 'kæt,fif/ (plural catfish) noun [C] a fish with long hard hairs near its mouth. It lives in lakes and rivers.
- cathedral /ke'0i:drəl/ noun [C] RELIGION the most important church in the area that a bishop controls
- cathode / 'kæθeυd/ noun [C] CHEMISTRY,
 PHYSICS the negative electrode in a battery
 or similar piece of electrical equipment, or the
 negative electrode in an electrolytic cell
 → ANODE
- cathode 'ray .tube noun [C] PHYSICS a piece of equipment in televisions and some computers that creates the image on the screen. A beam of high-energy electrons is directed towards the screen, where it lights up different spots of colour to make a picture.
- Catholic /ˈkæθ(ə)lɪk/ noun [C] RELIGION a member of the Roman Catholic Church — Catholic adj, Catholicism /kəˈθɒlɪˌsɪz(ə)m/ noun [U]
- cation / 'kætarən/ noun [C] PHYSICS.

- **CHEMISTRY** an ion that has a positive electrical charge and is attracted towards the **cathode** during **electrolysis**
- catkin / 'kætkɪn/ noun [C] a long soft group of small flowers that hangs from the branches of willows and some other trees
- **cattle** / 'kæt(a)l/ noun [plural] cows and **bulls** that are kept by farmers for their milk or meat
- 'cattle ,prod noun [C] AGRICULTURE a stick that can give an electric shock, used for making an animal move in a particular direction
- Caucasian /kɔːˈkeɪziən/ adj formal used for describing a white person, for example someone from North America, Europe, or Australia —Caucasian noun [C]
- **caught** /kɔːt/ the past tense and past participle of **catch**¹
- **cauldron** /'kɔːldrən/ noun [C] a large round metal container that is used for cooking over a fire
- cauliflower / 'kɒli,flaʊə/ noun [C/U] a vegetable with a hard round white central part surrounded by green leaves picture → VEGETABLE
- cause¹/kɔːz/ noun ¹ [c] an event, thing, or person that makes something happen: The cause of death was found to be a heart attack. ♦ an essay on the causes of the First World War ² [c/U] a reason for behaving in a particular way, or for feeling a particular emotion: He wouldn't have done it without good cause (=a good reason). ♦ The doctor's report states that there is no cause for concern.

 3 [c] an aim, idea, or organization that someone supports or works for: Campaigners hope that people will be sympathetic to their cause. ♦ Please give as much as you can: it's for a good cause.
- **cause²** /kɔːz/ verb [T] to make something happen, usually something bad: *Indigestion is caused by excess acid in the stomach.* ◆ *Bad weather continues to cause problems for travellers.* ◆ *A small sound caused him to turn his head.* ◆ *He apologizes for causing you any embarrassment.*

Build your vocabulary: words you can use instead of cause

- bring about to make something happen, especially something positive that improves the situation
- give rise to to make something happen, especially something unpleasant or unexpected
- lead to to begin a process that makes something happen later
- contribute to to be one of several causes that help to make something happen

causeway / 'kɔːzˌweɪ/ noun [C] a raised road

- or path across ground that is wet or covered by water
- caustic soda /,kɔːstɪk 'səʊdə/ noun [U]
 CHEMISTRY the chemical sodium hydroxide
 that is a strong alkali and is used for cleaning
 things that are very dirty. It is also used for
 making many other chemicals. It absorbs
 carbon dioxide gas.
- caution 1 / 'kɔ:ʃ(ə)n/ noun 1 [U] careful thought and lack of hurry in order to try to avoid risks or danger: He was instructed to act with extreme caution. ♦ Politicians should exercise greater caution with taxpayers' money. 2 [U] advice that you should be careful: A word of caution: the roads are full of potholes. 3 [C] an official warning that the police give someone who has broken the law
- caution² /'kɔːʃ(a)n/ verb [T] 1 formal to warn someone about a possible danger or problem: Researchers cautioned that the drug is only partly effective. 2 if the police caution someone who has broken the law, they warn them officially
- cautious /ˈkɔːʃəs/ adj careful to avoid problems or danger —cautiously adv
- **cavalry** / 'kævəlri/ noun [singular] the part of an army that consists of soldiers who ride horses, or in modern times, of soldiers who ride in **armoured** vehicles
- **cave¹** /keɪv/ noun [C] a large hole in the side of a hill or under the ground
- cave² /keiv/

PHRASAL VERB ,cave 'in if a roof or wall caves in, it falls down or inwards

- **caveman** / 'keɪv,mæn/ (plural **cavemen** / 'keɪv,men/) noun [C] someone who lived thousands of years ago when people lived in caves
- cavern / 'kævən/ noun [C] a large cave
- **caviar** / 'kævi,ɑː/ noun [U] fish eggs that are eaten as a special and expensive food
- cavity / 'kævəti/ (plural cavities) noun [C] 1 a
 hole or space inside a solid object, especially
 a part of the body: the nasal cavity ◆ the
 abdominal cavity 2 a hole in a tooth, caused
 by decay
- cayenne pepper /,keien 'pepə/ noun [U] a red powder made from a type of pepper that has a strong flavour. It is added to food to make it taste spicy.
- cc /_si: 'si:/ abbrev 1 used on a business letter or email for saying that a copy is being sent to the person mentioned: To Jack Brown, cc: Paul Davis. 2 cubic centimetre: used for measuring the amount of a liquid or the size of an engine: a 750cc motorbike
- CCTV / six six tix 'vix/ noun [C/U] closed-circuit television: a system of cameras and television screens that allows someone to see what is

- happening in different parts of a building or town
- CD /,six 'dix/ noun [C] compact disc: a small round piece of hard plastic with sound recorded on it or computer information stored on it
- **C'D**, player noun [C] a piece of equipment used for playing CDs with music on them
- CD-R /,siz diz 'az/ noun [C] compact disc recordable: an empty CD that you can use only once to record music or information from a computer
- 'C, drive noun [C] computing the main hard disk drive on a computer system
- CD-ROM / six dix 'rpm/ noun [C/U]

 COMPUTING compact disc read-only
 memory: a CD that stores large amounts of
 information for use by a computer picture
- CD-RW /,si: dix a: 'dʌb(ə)ljuː/ noun [C]
 computing compact disc rewritable: a CD
 that can be used for recording music or
 information from a computer
- ,C'D ,writer noun [C] a piece of equipment used for recording information onto CDs
- **cease** /si:s/ verb [I/T] formal to stop happening or continuing, or to stop something happening or continuing: Conversation ceased when she entered the room. ◆ The government has ceased all contact with the rebels.
- **ceasefire** /'siːsˌfaɪə/ noun [C] an agreement to stop fighting for a period of time
- **ceaseless** /'sixsləs/ adj *formal* continuing without stopping —**ceaselessly** adv
- cedar / 'si:də/ noun [C/U] a tall evergreen tree,
 or the wood from this tree
- cede / siːd/ verb [T] formal if a ruler or country cedes power or land, they formally allow someone else to take it from them
- ceiling /'si:lin/ noun [C] 1 the surface that is above you in a room: There were cracks in the walls and the ceiling. 2 an upper limit set on the number or amount of something: A ceiling of £100 was put on all donations.
- celebrate /'selə,breɪt/ verb 1 [I/T] to do something enjoyable in order to show that an occasion or event is special: They're celebrating the end of their exams. 2 [T] formal to show admiration for someone or something in a piece of writing, music, or art, or in a ceremony: The bravery of warriors was celebrated in song.
- celebrated /'selə,breitid/ adj famous and
 praised by many people: a celebrated artist
- celebration /,selə'breɪʃ(ə)n/ noun 1 [C] a party or special event at which people celebrate something: The whole family came for our anniversary celebration. 2 [C/U] the

activity of celebrating something: *It was a night of dancing and celebration*.

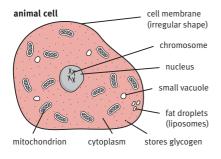
celebrity /sə'lebrəti/ (plural **celebrities**) noun [C] a famous entertainer or sports personality: *a sports celebrity*

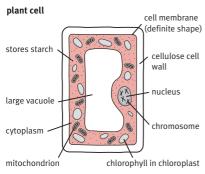
celery /'seleri/ noun [U] a pale green
 vegetable consisting of long leaf stems that
 are eaten raw or cooked — picture → VEGETABLE

celestial body /sə,lestiəl 'bɒdi/ noun [C]
ASTRONOMY a star or planet

celibate /'seləbət/ adj someone who is
 celibate does not have sex —celibacy
 /'selıbəsi/ noun [U]

Cell /sel/ noun [C] 1 BIOLOGY the smallest unit from which all living things are made. All cells have a cell membrane, and plant cells also have a cellulose cell wall. A cell also has a nucleus that contains the organism's genetic information, cytoplasm, and very small parts called organelles: brain cells 2 a small room where a prisoner is kept 3 COMPUTING a small square in a pattern of squares on a computer spreadsheet for writing numbers or words in 4 PHYSICS, CHEMISTRY a piece of equipment that uses chemicals, heat, or light to produce electricity → ELECTRICAL CELL





cellar / 'selə/ noun [C] a room under a building, below the ground

'cell di,vision noun [C] BIOLOGY 1 see mitosis
2 see mejosis

'cell ,membrane noun [C] BIOLOGY the outer layer surrounding the cytoplasm of all cells. The cell membrane controls which substances go in and out of the cell. —picture → CELL

cello /'tfeləʊ/ (plural cellos) noun [C] Music a musical instrument with strings, like a large violin. You hold it between your legs and play it with a bow. —picture → MUSICAL INSTRUMENT, ORCHESTRA —cellist /'tfelist/ noun [C]

cellophane /'selə,feɪn/ noun [U] a very thin clear material that people use for wrapping things

cellphone /'sel,fəon/ noun [C] American a mobile phone

cellular /'seljulə/ adj 1 BIOLOGY relating to the cells of living things 2 relating to mobile phones

cellulose /'seljʊ,ləʊs/ noun [U] **BIOLOGY** a substance that forms the walls of plant cells and plant fibres. It is **insoluble** in water, and is used to make plastics, **explosives**, paper, fabrics, and other products. → **ROUGHAGE**

"cell 'wall noun [C] BIOLOGY a strong layer that surrounds each cell in organisms other than animals, protecting them and giving them shape. In most plants, the cell wall is made of cellulose, and in fungi it is made of chitin.

Celsius /'selsiəs/ noun [U] SCIENCE a system for measuring temperature in the metric system —symbol c → FAHRENHEIT

Celt / kelt / noun [C] a member of an ancient group of people who lived in parts of Western Europe — **Celtic** adj

cement¹ /sə'ment/ noun [U] **1** a grey powder used in building. It becomes very hard when it is mixed with sand and water to make concrete. **2** a substance similar to bone that covers the root of a tooth —picture → ТООТН

cement² /sə'ment/ verb [T] **1** to make a relationship or idea stronger or more certain **2** to cover a surface with cement

cemetery /'semət(ə)ri/ (plural cemeteries)
noun [C] an area of ground where dead people
are buried → GRAVEYARD

censor /'sensə/ verb [T] to remove parts of a book, film, or letter for moral, religious, or political reasons —**censor** noun [C]

censorship /'sensə[ip/ noun [U] the process of removing parts of books, films, or letters that are considered unsuitable for moral, religious, or political reasons

censure /'senʃə/ verb [T] *formal* to criticize someone severely —**censure** noun [U]

census /'sensəs/ (plural **censuses**) noun [C] **social stubies** an occasion when government officials count all the people in a country and record information about them

- cent / sent/ noun [C] ECONOMICS a small unit of money used in many countries, for example the US, South Africa, and Hong Kong. There are 100 cents in a dollar or a euro.
- centenary / sen'ti:neri, sen'teneri/ (plural
 centenaries) noun [C] a day or year that
 people celebrate exactly 100 years after an
 important event

center / 'sentə/ the American spelling of centre

centi- /senti/ prefix **SCIENCE** 0.01 of a unit: used with some nouns for units of measurement: *centimetre*

centigrade /'senti,greid/ noun [U] oldfashioned Celsius

- **centilitre** /'sentr,lixtə/ noun [C] **SCIENCE** a unit for measuring an amount of liquid or gas in the metric system. There are 100 centilitres in one litre. Symbol **cl**
- centimetre /'senti,mixtə/ noun [C] SCIENCE a unit for measuring length in the metric system. There are 100 centimetres in one metre. Symbol cm
- centipede /'senti,pi:d/ noun [C] BIOLOGY a type of arthropod that has a long narrow body divided into many sections, each of which has a pair of legs → MILLIPEDE
- central /'sentral/ adj 1 in the middle of a space or area: central London The hotel is built around a central courtyard. 2 main, or major: He played a central role in the development of US economic policy. skills that are central to (=very important for) a child's development 3 belonging to the main organization that controls other smaller organizations: the Communist Party's central committee —centrally /'sentrali/ adv
- central 'government noun [C/U] the government of a whole country: a new partnership between local and central government
- central 'heating noun [U] a system that heats a whole building by sending hot air or water through pipes to all the rooms
- centralize / 'sentra,lazz/ verb [T] to give control of a country, organization, or industry to one group of people
- central 'nervous , system noun [C]
 ANATOMY, BIOLOGY the part of the nervous
 system that consists of the brain and the
 spinal cord

centre¹ /'sentə/ noun

1 middle 5 major place for sth 2 part of town 3 in maths 4 building for sth 5 major place for sth 6 main subject 7 political middle + PHRASE

1 [c] the middle of a space or area: chocolates with soft centres ◆ in the centre of the room 2 [c] the part of a town or city that contains most of the shops, restaurants, and places of

- entertainment: We caught a bus into the
- **3** [C] **MATHS** the point that is in the middle of a circle or sphere
- **4** [C] a building or group of buildings that is used for a particular activity or for providing a particular service: a health centre ◆ a sports centre
- **5** [C] a place where a particular thing is important, or where a particular thing exists in large amounts: one of the world's most important financial centres ♦ people who live in the centres of population

6[singular] **the centre of sth** the main subject or cause of something: *He hates being the centre of attention*.

7 the centre [singular] a political party, group of parties, or position that is not extreme because it is neither left-wing nor right-wing PHRASE centre of gravity PHYSICS the point in an object around which its weight balances

centre2 /'sentə/ verb [T] to put something in the centre of an area

centrifugal force /,sentrifju:gl 'fo:s/ noun [U] a force that makes things move away from the centre of something when they are moving around that centre

centripetal force /sen,tripit(ə)l 'fɔis/ noun [U] **PHYSICS** a force that makes things move towards the centre of something when they are moving around that centre. Gravity is the centripetal force that keeps the planets orbiting around the Sun.

century /'sentʃəri/ (plural **centuries**) noun [C] **1** a period of 100 years counted from a year ending in -00: *His family has ruled Morocco since the 17th century.* **2** any period of 100 years: *the worst storm in nearly a century*

ceramic /səˈræmɪk/ adj art made from baked clay

ceramics /sə'ræmɪks/ noun ART 1 [U] the art or process of making ceramic objects 2 [plural] ceramic objects

cereal /'srarial/ noun **1** [C] **AGRICULTURE** a grain that can be made into flour or other food, or a plant of the grass family that produces grain —picture → on next page **2** [C/U] a food made from grain

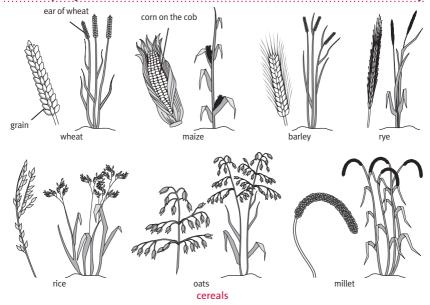
cerebellum /,sera'belam/ (plural cerebella /,sera'bela/ or cerebellums) noun [C]

ANATOMY the back part of the brain that is responsible for balance and movement — picture → BRAIN

cerebral /'serəbrəl, sə'riːbrəl/ adj
ANATOMY relating to the brain, or affecting
the brain

Cerebral 'cortex noun [C] ANATOMY the outer layer of the cerebrum (=the front part of the brain) —picture → RETINA

cerebral 'hemisphere noun [C] ANATOMY



one of the two halves of the front part of the brain $-picture \rightarrow BRAIN$

cerebral palsy /,serabral 'pɔːlzi/ noun [U] **HEALTH** a medical condition that affects the ability to control movement and speech. It is typically caused by damage to the brain either before or during birth.

cerebrum /sə'ri:brəm/ noun [C] ANATOMY the front part of the brain, where activities such as thinking, learning, and feeling take place. It is divided into two halves called cerebral hemispheres.

ceremonial /,serə'məʊniəl/ adj connected with a ceremony

ceremony /'serəməni/ (plural ceremonies) noun 1 [c] a formal public event with special traditions, actions, or words: a ceremony to honour those who died in the war ◆ an awards ceremony 2 [u] the formal traditions, actions, and words used for celebrating a public or religious event: They celebrated Easter with great ceremony.

certain¹/'ss:t(ə)n/ adj 1 having no doubts
that something is true = SURE ≠ UNCERTAIN: I'm
not absolutely certain, but I think I'm right. ◆
You can be pretty certain she's not going to
like it. ◆ We still can't be certain who is going
to win. 2 definitely going to happen, or
definitely known: One thing was certain:
someone had been in his room. ◆ It's not
certain that this method would work. ◆ Mexico
is now certain of a place in the finals.
PHRASE make certain to take action in order
to be sure that something happens or be sure

that something is true = MAKE SURE: Call home to make certain everything is OK.

certain2 /'ss:t(a)n/ determiner used for referring to someone or something without being specific about who or what they are: There are certain things we need to discuss. PHRASE a certain some, but not very much: A certain amount of fat in your diet is good for you.

certainly /'saːt(ə)nli/ adv used for emphasizing that something is definitely true or will definitely happen: There certainly wasn't any point in going now.

certainty /'sa:t(e)nti/ (plural certainties) noun 1 [c] something that will definitely happen, or that you feel very sure about: Victory looked like a certainty. 2 [U] the feeling of being completely sure about something = conviction: I can say with certainty that there will be no more information today.

certificate /so'ttfiket/ noun [C] 1 an official document that states that particular facts are true: a birth certificate 2 an official document that proves that someone has passed an examination or has successfully completed a course

certify /'ss:ti,fai/ (certifies, certifying,
 certified) verb [T] 1 to state officially that
 something is true, accurate, or satisfactory
2 to give someone an official document that
 proves that they have passed an examination
 or have successfully completed a training
 course

- cervical /'saːvɪk(ə)l, sə'vaɪk(ə)l/ adj ANATOMY, HEALTH relating to the cervix
- cervical 'smear noun [C] HEALTH a medical test in which cells taken from the opening of the uterus are examined. This can show cell changes which could develop into cancer.
- **CERVIX** /'s3xviks/ noun [C] **ANATOMY** the entrance to the uterus —*picture* → EMBRYO
- CFC /,si: ef 'si:/ noun [C] CHEMISTRY, ENVIRONMENT chlorofluorocarbon: a gas used in refrigerators and in some aerosols. CFCs can damage the ozone layer of the Earth's atmosphere.
- chador /'tfa:do:/ noun [C] a loose piece of usually black clothing that covers a woman's whole body including her head, worn by some Muslim women
- chaff /tʃaːf, tʃæf/ noun [U] the outer part of wheat and other grains that is removed before the grains are used
- chain¹/tʃem/ noun¹ [C/U] a series of metal rings that are connected to each other: The crate was attached to the deck with a chain. ♦ a gold chain ♦ Prisoners were kept in chains. ² [C] a series of people or things that are connected: a chain of events that eventually led to murder ♦ a chain of small islands ³ [C] a group of businesses that all belong to the same company: Japan's leading hotel chain ♦ a chain of electrical goods shops
- chain² /tʃeɪn/ verb [T] to use a chain to fasten something so that it cannot be stolen, or to fasten a prisoner with a chain so that they cannot escape
- Chain relaction noun [C] CHEMISTRY,
 PHYSICS a series of chemical or physical
 reactions, each one of which causes the next
 one
- 'chain ,saw noun [C] a tool with a motor, used for cutting down trees or cutting up wood —picture → TOOL
- chair¹ /tfeə/ noun [C] ¹ a piece of furniture for one person to sit on, with a back, legs, and sometimes two arms ² the person who is in charge of a meeting, committee, company, or organization: All questions must be addressed to the chair. ♣ He is the former chair of the Atomic Energy Commission. → CHAIRMAN, CHAIRPERSON, CHAIRWOMAN
- chair² /tʃeə/ verb [T] to be the person in charge of a meeting, committee, company, or organization
- chairman /'tfeemen/ (plural chairmen /'tfeemen/) noun [C] the person who is in charge of a meeting, committee, company, or organization
- chairmanship / 'tʃeəmənʃɪp/ noun [C/U] the position of being a chairman

- **chairperson** /'tʃeə,pɜ:s(ə)n/ noun [C] the person who is in charge of a meeting, committee, company, or organization
- chairwoman / 'tʃeə,womən/ (plural chairwomen / 'tʃeə,wimin/) noun [C] the woman who is in charge of a meeting, committee, company, or organization
- chalk /tʃɔːk/ noun 1 [U] GEOLOGY a type of soft white rock that consists of almost pure calcium carbonate. It is a type of sedimentary rock. 2 [C/U] a stick of chalk used for writing or drawing
- chalky /'tfo:ki/ adj similar to chalk, or containing chalk
- challenge¹ / 'tʃælɪndʒ/ noun 1 [C/U] something that needs a lot of skill, energy, and determination to deal with or achieve: I felt I needed a new challenge at work. ♦ Are western nations ready to meet the environmental **challenges** that lie ahead? ♦ The new government faces the challenge of completing the building on time. **2** [C] an action or idea that questions whether something is true, fair, accurate, legal etc: Recent discoveries present a serious challenge to accepted views on the age of the universe. ♦ The strike was a direct challenge **to** the authority of the government. **3** [C] an occasion when someone tries to win a game or competition
- **challenge2** /'tfælmd3/ verb[T] 1 to question whether something is true, fair, accurate, legal etc: This decision is likely to be challenged by the oil companies. The president has accused the governor of challenging his leadership. 2 to invite someone to compete or fight: The girls challenged the boys to a cricket match.
- challenging / 'tʃælɪndʒɪŋ/ adj difficult to deal with or achieve, but interesting and enjoyable
- chamber / 'tfembe/ noun [C] 1 a room used for a particular purpose: a torture chamber ♦ the debating chamber 2 one of the sections of a parliament: the upper chamber 3 an enclosed space, especially one inside a machine or someone's body: the chambers of the heart
- **chameleon** /kə'mi:liən/ noun [C] a type of small lizard with skin that changes colour to match the colours around it —picture → REPTILE
- champagne /,[æm'pem/ noun [U] a type of French sparkling wine that some people drink on special occasions
- champion /'tfæmpiən/ noun [C] 1 someone who has won an important competition, especially in sport: the world heavyweight boxing champion 2 someone who publicly supports or defends something: a champion of the rights of religious minorities
- **championship** / 'tʃæmpienʃɪp/ noun **1** [C] a competition to find the best player or team in a sport or game: *the World Chess*

Championships 2 [singular] the position of being a champion: Two more points and the championship will be his!

chance

chance 1 /tfa:ns/ noun 1 [C] an opportunity to do something, especially something that you want to do: Students are given the chance to learn another language. ♦ We work together whenever we **get a chance.** ♦ I warned her that this was her last chance. 2 [C/U] the possibility that something will happen: I think she has **a good chance** of getting the job. ♦ Is there any chance they will reverse their decision? ♦ He doesn't stand a chance of winning the tournament (=it is not at all likely that he will win). 3 [U] the way that things happen without being planned or expected = LUCK: The results may simply be due to chance. ♦ It was simply by chance that Nicholson was cast in the film.

PHRASE take a chance or take chances (on) to do something even though it involves risk

chance² /tfa:ns/ verb [T] to do something even though you know it involves a risk: It looked like rain so I decided not to chance it and brought my umbrella.

chance³ /tʃɑːms/ adj not planned or expected: a chance meeting

chancellor / 'tʃɑːnsələ/ noun [C] 1 the leader of the government in some countries 2 the Chancellor of the Exchequer 3 EDUCATION someone who is the official leader of a university

Chancellor of the Exchequer /,tʃɑːnsələr əv ðiː iks'tʃekə/ noun [C] the member of the British government who is responsible for taxes and public spending

chandelier /, fændə'lıə/ noun [C] a light that hangs from a ceiling and has a lot of branches for holding lights or candles

change1 /tfeind3 / verb

1 become different 2 start 5th new 6 exchange money + PHRASES + PHRASAL VERB

1 [I/T] to become different, or to make someone or something different: After a few days the weather changed. ◆ The law was changed in 1989. ◆ The leaves are already starting to change colour. ◆ The town has changed from a small fishing village to a modern tourist centre.

2 [I/T] to stop doing one thing and start doing something different: Dave said he might be changing jobs. ♦ With oil costs rising, the government is gradually changing to renewable energy.

3 [T] to replace something with a new or different thing: *Can you help me change a tyre?*

4 [I/T] to take off the clothes that you are wearing and put on different ones: *Hang on,* I'll just go and change. ♦ Have I got time to

get changed before we go? ♦ You should change into some dry socks.

5 [I/T] to leave one plane, train, bus etc to get on another: We changed planes in Paris.6 [T] to exchange one type of money for

another: I need to **change** some dollars **into** pesos.

PHRASES change hands to be given or sold by one person to another

change your mind to change a decision you have made or an opinion you have about something

change the subject to stop talking about one thing and start talking about another PHRASAL VERB 'change (sth) into sth to stop being in one condition or form and start being in another, or to make something do this: At what point does boiling water change into steam?

Build your vocabulary: words you can use instead of **change**

- adapt to change something in order to make it suitable for a specific situation
- adjust to change something slightly so
 that it is exactly the way you want it
- that it is exactly the way you want it alter a more formal word for 'change'
- convert to change something so that it can be used for a different purpose
- modify to make small changes to a machine or system in order to make it suitable for a different situation
- transform to change something completely so that it looks or works much better than before

change² /t[eɪndʒ/ noun **1** [C/U] a situation or process in which something becomes different or is replaced, or the result of this process: A number of changes have taken place since the 1960s. ♦ Older people sometimes find it hard to accept change. We made a few changes to the team. ♦ a **change in** the law **♦ a change from** military **to** civilian rule 2 [U] the money that someone gives back to a customer when they give more money than it costs to buy something: Here's your change. 3 [U] coins rather than notes: I'm sorry I haven't got any change. ♦ Have you got **change for** a five-pound note (=notes or coins of lower value that you can exchange for it)?

PHRASES a change of heart an occasion when you change your opinion or plan for a change instead of what usually happens: It's nice to hear some good news for a change.

changeable /'tfemd3əb(ə)l/ adj tending to change suddenly and often = UNPREDICTABLE

changed /t∫eɪndʒd/ adj different from before
≠ UNCHANGED

changing room / 'tfemdʒiŋ ,ruim/ noun [C] 1 a room in which people change their clothes before and after they play a sport 2 a room in a shop in which people can try on clothes before they buy them

- **channel 1** / 'tʃæn(ə)l/ noun [C] **1** a television station and the programmes that it broadcasts: *What's on the other channel?* **2** a narrow passage made in the ground so that water can go along it **3 GEOGRAPHY** a narrow area of water that joins two seas **4** a way of communicating or expressing something: *It is important to keep channels of communication open.*
- channel² /'tfæn(ə)l/ (channels, channelling, channelled) verb [T] **1** to use money or supplies for a particular purpose: The company has channelled £1.2 million into developing new products. **2** to use your energy, ability, feelings, or ideas for a particular purpose
- **Channel, the** /'t∫æn(ə)l/ the narrow area of sea between England and France
- chant /tfa:nt/ verb [I/T] music to shout or sing a word or phrase many times —chant noun [C]
- Chanukah / 'haːnəkə/ another spelling of Hanukkah
- **chaos** / 'keɪɒs/ noun [U] a situation in which everything is confused and not organized
- chaotic /kei'ptik/ adj happening in a confused way and without any order or organization —chaotically /kei'ptikli/ adv
- **chapel** /'tʃæp(ə)1/ noun [C] **RELIGION** a small church, or a special room used as a church
- chaplain /'tfæplm/ noun [C] RELIGION a priest who works in an institution such as a school or hospital, or in the army
- **chapter** /'tʃæptə/ noun [C] **1** LITERATURE one of the sections of a book: *See Chapter Three for more details.* **2** a period of someone's life, or a period in history: *The war was now entering its final chapter.*

character / 'kærıktə/ noun

1 personality
2 qualities of sth
3 sb in book, film etc
4 attractive qualities
5 unusual person
6 letter/number

1 [C] the qualities that make up someone's personality: This selfishness was one aspect of Steve's character that I didn't like. ♦ Why did Simon refuse? It seems so out of character (=not typical of his usual behaviour).

- **2** [C/U] the qualities that make something clearly different from anything else: *The two villages are similar in size but very different in character.*
- **3** [C] a person in a book, play, film etc: *The film's main character is played by George Clooney.*
- **4** [U] qualities that make someone or something good, interesting, or attractive: *a traditional hotel with a lot of character and charm* ◆ *She showed real character in standing up to her political enemies.* **5** [C] a person of a particular type: *a suspicious character*

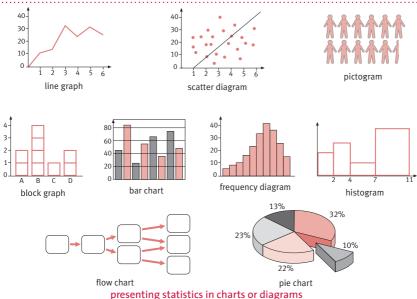
- **6** [C] a letter, number, or symbol that is written or printed: *Your computer password may be up to 12 characters long.*
- characterise / 'kærɪktə,raɪz/ another spelling of characterize
- characteristic1 / ,kærɪktəˈrɪstɪk/ noun [C] a
 typical quality or feature: the main
 characteristics of 20th-century culture
- **characteristic2** /,kærıktəˈrɪstık/ adj typical of someone or something: *Sue answered with her characteristic truthfulness*.
 - —characteristically /ˌkærɪktəˈrɪstɪkli/ adv
- characterization / ,kærɪktəraɪˈzeɪʃ(ə)n/
 noun [U] LITERATURE the way in which a
 writer creates characters
- characterize / 'kærıkta,raız/ verb [T] 1 be characterized by to have something as a typical quality or feature: The 1980s were characterized by high inflation and high unemployment. 2 be characterized as to be described as a particular type of person or thing: The military is usually characterized as being conservative.
- charcoal /'tʃɑː,kəʊl/ noun [U] 1 a black substance made from burnt wood, used as a fuel 2 ART a black substance made from burnt wood, used for drawing
- charge 1 /t[a:d3/ noun 1 [C/U] an amount of money that people have to pay, for example for a service or when they visit a place: *There* is no **charge for** using the library. ♦ The organization provides a range of services free of charge (=with no charge). ♦ There's a small admission charge. 2 [C] an official statement that accuses someone of committing a crime: murder charges ♦ In the end we decided not to **press charges** (=officially accuse someone of a crime). ♦ They faced **charges of** conspiracy and murder. ♦ The investigation resulted in criminal **charges against** three police officers. **3** [C] a claim that someone or something is bad, or that they have done something bad: He was arrested on **charges of** corruption. 4 [singular/U] PHYSICS, CHEMISTRY the
 - 4 Isingular/UJ PHYSICS, CHEMISTRY The amount or type of electrical force that something holds or carries. The protons in an atom have a positive charge, and the electrons have a negative charge.
 - PHRASES in charge (of) if someone is in charge, they have control over a person or situation and are responsible for them: Who's in charge here? & He was put in charge of the whole investigation.

take charge (of) to take control and become responsible for someone or something

charge² /tʃɑːdʒ/ verb

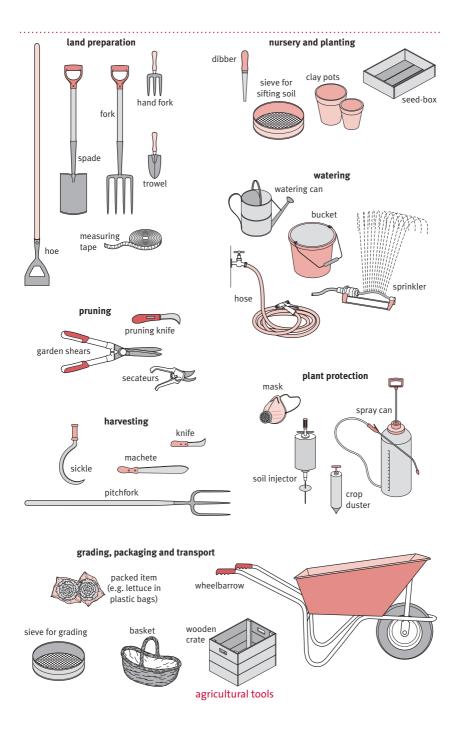
1 ask sb for money
2 arrange payment
3 accuse sb of crime
4 run to attack
5 move quickly
6 put electricity into

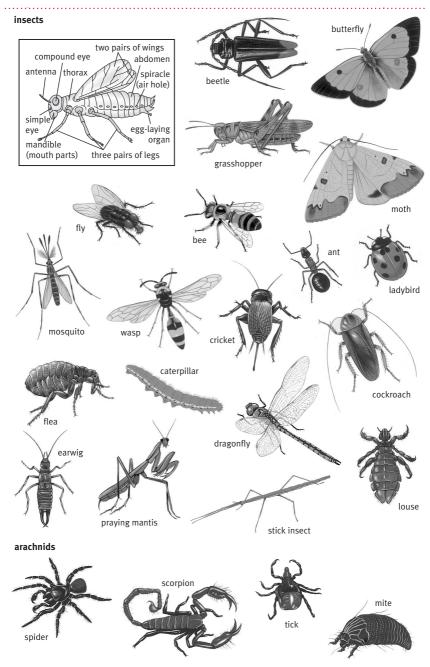
1 [I/T] to ask someone to pay an amount of money for something: How much does the shop **charge for** delivery?



- **2** [T] to arrange to pay for something later: *The flights were charged to my father's personal account.*
- 3 [T] to accuse someone of committing a crime: The police have charged him with murder. ◆ Two men have been charged in connection with the fire.
- **4** [I/T] to attack someone or something by running very fast towards them
- **5** [1] to move somewhere quickly and carelessly: *You can't just go charging into* the classroom.
- **6** [I/T] **PHYSICS** to put electricity into a battery: The cell phone won't work if it isn't charged.
- chariot / 'tf@riət/ noun [C] a vehicle with two wheels that was pulled by horses in races and battles in ancient times
- charisma /kə'rızmə/ noun [U] a strong
 personal quality that makes people like
 someone and feel attracted to them
 = CHARM —charismatic / 'kærız'mætık/ adj
- charitable / 'tʃærɪtəb(ə)l/ adj 1 intended to give money and help to people who need it 2 kind to other people and not judging them too severely
- charity /'tʃærəti/ (plural charities) noun
 1 [C/U] an organization that gives money and help to people who need it 2 [U] money or food that is given to people who need it: The event raised £59,000 for charity.
- charm¹ /tʃɑːm/ noun ¹ [C/U] an attractive quality in a person, place etc: The building has kept its traditional charm. ² [C] an object that brings luck or has magic powers

- charm² /tʃɑːm/ verb [T] to make someone like you, or make them want to do something for you: He charmed my mother into giving him money.
- charming /'tʃɑːmɪŋ/ adj attractive and pleasant: a charming smile ♦ a charming little house
- chart 1 /tʃɑːt/ noun 1 [c] a list, drawing, or graph that shows information 2 [c] a map used for planning a journey by ship or aircraft 3 the charts [plural] a list of the CDs that people have bought the most copies of in the previous week
- chart 2 /tfa:t/ verb [T] 1 to record how something develops and changes: A team visits every week to chart their progress. 2 to make a map of an area
- charter / 'tʃɑːtə/ noun 1 [C] a document that describes the aims of an organization or the rights of a group of people 2 [C/U] the process of hiring a boat, plane, or bus, or the vehicle that is hired
- chartered accountant / tfarted
- əˈkaʊntənt/ noun [C] an **accountant** who has passed a professional examination
- 'charter ,flight noun [C] a plane journey that is arranged by a travel company
- chase1 /tfeis/ verb 1 [I/T] to follow someone
 or something quickly in order to catch them
 = PURSUE: The band have often been chased
 down the street by enthusiastic fans. *I
 chased after the robbers for more than a mile.
 2 [T] to follow someone or something quickly
 in order to make them go away: We chased





insects and arachnids

REVISION AND EXAMINATION SKILLS

by Dr June Hassall

Revise effectively

- *Know your course*. Make a list of the topics that you have to learn.
- *Make a revision timetable*. Write down when you will revise each topic. Leave the week before your exam free for last-minute revision.
- *Make revision blocks short.* Short blocks of 30 minutes, with a 5-minute break, are better than long ones.
- *Make your revision active*. For example:
- use a highlighter pen to mark important words in your notes
- write out summaries of your notes
- write the important words from your notes and then try to fill in the details
- draw and label diagrams, then check them
- try to repeat your notes from memory.
 Cover over a small part, then try and write or say it
- ask someone to test you by asking questions on the topic that you have done
- answer practice questions.
- Learn from your mistakes. Check the answers to questions, and if you made mistakes try to think where you went wrong, and learn from it.

Answering multiple-choice questions

- Know the format. Multiple-choice questions usually have an incomplete statement (stem) followed by four possible answers from which you have to choose the best one.
- *Using an answer sheet.* For each question there will be four blank areas labelled A, B, C, and D. You have to blacken the letter that is the same as the answer that you think is correct. Use a pencil for this, in case you want to change it.
- *Don't just guess*. If you are not sure of the right answer, *don't* just guess. First cross off the options that you know are

wrong. Then choose between those that are left.

- *Do answer every question.* Each question is worth one mark, and should only take a minute.
- *Making corrections*. If want to change an answer, rub out the first one very carefully before marking the new one.

Answering structured questions

- *Know the format*. A structured question is divided into several numbered parts.
- Writing your answers. The question has lines on which you write your answers. The number of marks for each part of the question is usually listed. As a guide, make one point or write one sentence for each mark available.
- Getting help. If you are not sure of an answer, first read carefully all parts of the question. Check that you are clear where to write each part of the answer, and don't repeat yourself.
- *Use the space*. If you don't have enough to write in the space, check that you have understood the question. Also don't try and write more than can easily fit each space.
- *Answer all parts.* You must answer each part of the question in the correct place. If not, you won't get the marks.
- *Leave extra time for difficult questions*, such as those involving graphs.

Answering essay questions

- *Know the format*. An essay question is usually divided into only a few parts. Each part has more marks than for a structured question.
- Choosing questions. You usually have a choice of questions. Spend time on this so that you make wise choices.
 Select questions on which you can answer most of the parts.
- Divide your time. Be very careful to

DEALING WITH DATA

by Dr June Hassall

Data is information, often in the form of numbers, which you may have collected during an experiment.

Tables

Use tables to: Record similarities and differences between organisms, and to enter the readings you take during an experiment.

Making tables

- Use a title to describe the information.
- Columns are labelled with the things being described or the quantities being measured (and their units, such as %, g, °C).
- Across the rows, enter your observations or readings.

The table below shows a comparison of the composition of two foods:

Foods	Percentage of food constituents					
	Carbo-					
	Protein%	6 Fat%	hydrate%	Inedible%		
Peanut	26	46	10	18		
Corn	10	5	70	15		

Interpreting tables

- You will usually need to do some simple arithmetic on numerical data:
- add, subtract, multiply, and divide whole numbers, decimals and fractions
- work out ratios, percentages, and fractions
- find the mean and median.

For example, from the table above: 1 How many grams of protein would there be in 50 g of peanuts? For peanuts, the % of protein is 26; this means 26 g of protein are present in 100 g of peanuts. So in 50 g there are 26/100 x 50 = 13 g.

2 What fraction of peanuts is made up of carbohydrate?

For peanuts, the % of carbohydrates is 10%. This means 10 parts out of a hundred, or 10/100 = 1/10 (one tenth). This can also be written as 0.1.

Pie charts

What they are: Pie charts are circles with lines dividing them into parts (sectors), like cutting a cake.

Use pie charts to: Show parts of the whole as a diagram, for example of food constituents in a certain food, different uses of chemicals, or various kinds of music, books etc.

Making pie charts: We start with a table.

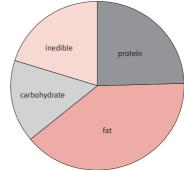
	Percentage of food constituents					
			Carbo-			
	Protein	Fat	hydrate	Inedible		
Peanut	26	46	10	18		

The angle at the centre of a circle is 360°. We divide this angle in the same proportion as the constituents:

 $\frac{Percentage of constituent}{100} \times 360^{\circ} = angle of$ segment

Protein = 26/100 x 360° = 93.6° Fat = 46/100 x 360° = 165.6° Carbohydrate = 10/100 x 360° = 36° Inedible part = 18/100 x 360° = 64.8°

The sectors are then drawn onto the circle using a protractor.



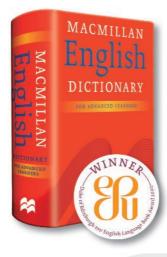
Interpreting pie charts

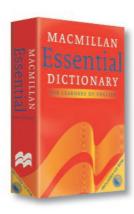
- Use a protractor to find an angle, e.g. 72° for the sector of rock CDs sold.
- Find what percentage this is of the whole by dividing by 360 and multiplying by 100:

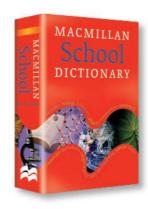
$$72/360 \times 100 = 20\%$$
.

• If the value of the total is, for example, 4000 records, then this sector equals: 20% of 4000, which is $20/100 \times 4000 = 800$ rock CDs sold.

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