



Science Vocabulary

	<i>EYFS</i>	<i>Key stage 1</i>	<i>Lower key stage 2</i>	<i>Upper key stage 2</i>
<ul style="list-style-type: none"> • Earth 	<ul style="list-style-type: none"> • autumn • change • season • spring • summer • weather • winter • dark • day • daytime • light • Moon 	<ul style="list-style-type: none"> • earth • environment • landfill • natural resource • non-recyclable • pollution • recyclable • recycling • reduce • reuse • rubbish • sustainability 	<ul style="list-style-type: none"> • clay • organic matter • parent rock • rock • sandy • silty • soil • subsoil • topsoil • change of state • cloud • collection 	<ul style="list-style-type: none"> • asteroid belt • atmosphere • autumn • axis • constellation • daytime • dwarf planet • Earth • galaxy • gas giant • geocentric model • Goldilocks planet

- night
- night time
- sky
- star
- Sun
- autumn
- change
- clothes
- cold
- day
- day length
- frost
- grow
- ice
- leaf
- plant
- tree

- condensation
- condense
- cool
- evaporate
- evaporation
- gas
- hail
- heat
- liquid
- precipitation
- rain
- sleet
- snow
- solid
- temperature
- water
- water cycle
- water vapour

- gravitational force
- gravity
- heliocentric model
- Jupiter
- Mars
- mass
- matter
- Mercury
- Milky Way Galaxy
- moon
- Neptune
- night time
- Northern Hemisphere
- orbit
- phases of the Moon
- planet
- Pluto
- reflect
- rotate
- satellite
- Saturn
- season

				<ul style="list-style-type: none">• seasonal change• solar• Southern Hemisphe• space• spacecraft• spring• star• summer• Sun• sunlight• terrestrial• the Moon• the Solar System• Titan• universe• Uranus• Venus• winter• year• absorb• absorbed light• afterimage• artificial light source
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				<ul style="list-style-type: none">• beam• brain• coloured light• cone• cornea• darkness• electrical signal• electromagnetic spectrum• focal point• gamma rays• infrared light• iris• lens• light• light source• light wave• microwaves• natural light source• optical fibre• optic nerve• perceive• pupil
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				<ul style="list-style-type: none"> • radio waves • ray • reflect • reflected light • reflector • retina • rod • scatter • scattered light • Sun • transmit • transmitted light • ultraviolet light • visible light • wavelength • white light • X-rays
<ul style="list-style-type: none"> • Change 	<ul style="list-style-type: none"> • change • cold • freeze • frost • ice 	<ul style="list-style-type: none"> • dark • daytime • light • night time 	<ul style="list-style-type: none"> • dissolve • erosion • fossil • mineral • mould 	<ul style="list-style-type: none"> • burning • chemical change • chemical reaction • condensation • condense

- icicle
- season
- snow
- snowflake
- weather
- autumn
- environment
- flower
- season
- seasonal change
- spring
- summer
- change
- cloud
- puddle
- rain
- season
- sky
- spring
- springtime
- weather
- winter
- cold

- Northern Hemisphere
- season
- sunrise
- sunset
- bend
- shape
- squash
- stretch
- twist

- pressure
- rock
- sediment
- skeleton
- boiling point
- condensation
- condense
- condensing point
- cool
- evaporate
- evaporation
- freeze
- freezing
- freezing point
- heat
- melt
- melting
- melting point
- process
- reversible
- water vapour

- cooking
- decaying
- dissolve
- dissolving
- evaporate
- evaporation
- filter
- filtering
- filtration
- freeze
- freezing
- heterogeneous mixture
- homogeneous mixture
- irreversible change
- melt
- melting
- mixture
- physical change
- reverse dissolving
- reversible change
- rust

	<ul style="list-style-type: none"> rain rainbow season snow sun warm weather wind winter year spring summer sunshine thunderstorm 			<ul style="list-style-type: none"> rusting separate separation technique sieve sieving dinosaur erosion extinct extinction event fossil fossil record mass extinction microfossil mineral palaeontologist rock sediment
<ul style="list-style-type: none"> Forces 	<ul style="list-style-type: none"> container float sink float 	<ul style="list-style-type: none"> anemometer Beaufort Scale equipment thermometer 	<ul style="list-style-type: none"> contact force force frictional force magnetic force 	<ul style="list-style-type: none"> contact force force gravitational force gravity

	<ul style="list-style-type: none"> freeze melt heavy light 	<ul style="list-style-type: none"> UV beads windsock anemometer Beaufort Scale equipment thermometer UV beads windsock 	<ul style="list-style-type: none"> non-contact force pull push contact force force frictional force magnetic force non-contact force pull push 	<ul style="list-style-type: none"> magnetism non-contact force
<ul style="list-style-type: none"> Gather and record data 	<ul style="list-style-type: none"> chart choose collect count favourite least most pictogram vote choose compare count 	<ul style="list-style-type: none"> data diagram group record sort table Venn diagram bar chart chart compare data record 	<ul style="list-style-type: none"> bar chart compare data diagram record table data diagram Venn diagram scientific report food chain food web 	<ul style="list-style-type: none"> data diagram explanation line graph record scientific report table Venn diagram compare identify research terminology

- discover
- favourite
- longest
- popular
- shortest

- table
- block graph
- Carroll diagram
- order

- line graph
- chart
- research
- variable
- classification key
- observation
- record
- table

- research
- scatter graph
- spreadsheet
- variable
- control data
- equation
- glossary
- line graph
- record
- Venn diagram
- bar chart
- correlation
- hypothesis
- chart
- classification key
- measure
- observe
- circuit diagram
- graph
- record
- table
- bias

				<ul style="list-style-type: none"> • compare • continuous data • discontinuous data • discrete data • tally chart
<ul style="list-style-type: none"> • Habitats 	<ul style="list-style-type: none"> • environment • school grounds • woodland • natural • rock • stone • tree • different • local environment • similar • animal • crop • farm • food • plant • flower • garden 	<ul style="list-style-type: none"> • dormant • garden • hedgerow • meadow • roadside • season • seasonal change • seasonal cycle • spring • winter • woodland • environment • animal • desert • forest • habitat • hedge 	<ul style="list-style-type: none"> • abiotic • biotic • ecosystem • human activity • interdependence • natural event • change • human influence • impact • natural influence • negative • positive • risk 	<ul style="list-style-type: none"> • beneficial • cause • effect • farming practice • fertiliser • food source • habitat destruction • irrigation • monoculture • negative • pesticide • pollinators • pollution • positive • tillage • polar

- insect
- leaf
- live
- local
- park
- plant
- rock
- soil
- tree bark
- wildlife
- habitat
- wild
- garden
- habitat
- log
- minibeast hotel
- park
- plant
- low tide
- ocean
- rock pool

- living
- mountain
- non-living
- ocean
- plant
- polar
- rock
- Savannah
- soil
- sunlight
- temperature
- tree
- water
- woodland
- air
- food
- forest
- habitat
- interdependent
- living
- mountain
- non-living
- ocean

		<ul style="list-style-type: none"> • plant • polar • rainforest • reproduce • shelter • soil • space • survive 		
<ul style="list-style-type: none"> • Healthy lifestyle 	<ul style="list-style-type: none"> • clean • dirty • germs • handwashing • hygiene • soap • wash • water • bacteria • clean • dirty • germ • handwash • clothing 	<ul style="list-style-type: none"> • bacteria • balanced diet • carbohydrates • clean • dairy and alternatives • Eatwell guide • energy • exercise • fat • food group • fruit and vegetables • germ 	<ul style="list-style-type: none"> • balanced diet • carbohydrates • dairy and alternatives • diet • Eatwell guide • energy • fibre • food group • fruit and vegetables • growth • healthy • mineral • nutrient • oils and spreads 	<ul style="list-style-type: none"> • aerobic exercise • alcohol • balancing exercises • blood pressure • carbohydrate • cholesterol • diet • drugs • Eatwell guide • exercise • healthy • muscles • processed food • protein

	<ul style="list-style-type: none"> • fan • hot • hydrate • protect • safety • shade • sunburn • sun cream • sunglasses • sun hat • sunshine 	<ul style="list-style-type: none"> • health • healthy • healthy lifestyle • hydrate • hygiene • hygiene practice • illness • nutrient • nutrition • oils and spreads • portion • proteins • sleep • sugar • sweat • vegan diet • vegetarian diet • vitamin • washing 	<ul style="list-style-type: none"> • proteins • vitamin • bacteria • crown • dental cavity • dental hygienist • dental nurse • dentine • dentist • fluoride • microorganism • oral hygiene • plaque • pulp • root • root canal • teeth brushing • tooth decay • tooth enamel 	<ul style="list-style-type: none"> • saturated fat • smoking • strengthening • stretching exercises • unhealthy • unsaturated fat • weight • Hygiene
<ul style="list-style-type: none"> • Human body 	<ul style="list-style-type: none"> • body • bone • heart 	<ul style="list-style-type: none"> • abdomen • ankle • arm 	<ul style="list-style-type: none"> • ball and socket joint • biceps • bone 	<ul style="list-style-type: none"> • blastocyst • cell • egg

- human body
- lungs
- muscles
- skeleton
- tendons

- calf
- chest
- chin
- ear
- elbow
- eye
- finger
- foot
- forearm
- forehead
- hair
- hand
- head
- hearing
- knee
- leg
- mouth
- neck
- nose
- pelvis
- sense
- shoulder
- sight

- bone marrow
- cardiac muscle
- cartilage
- contract
- cranium
- fast-twitch fibres
- femur
- fibula
- gastrocnemius
- gluteus maximus
- hamstrings
- hinge joint
- hip flexors
- humerus
- joint
- latissimus dorsi
- ligament
- limb
- mandible
- muscle
- muscle fibres
- muscular system
- patella

- fallopian tube
- female
- fertilisation
- male
- ovary
- penis
- reproductive organantibody
- aorta
- artery
- atrium
- blood
- blood vessel
- bone marrow
- capillary
- carbon dioxide
- cell
- circulatory system
- clot
- deoxygenate
- deoxygenated
- excretion
- haemoglobin

		<ul style="list-style-type: none"> • skin • smell • survive • taste • thigh • toe • tongue • touch • upper arm • wrist • adult • baby • birth • child • elderly • embryo • female • foetus • growth • human • juvenile • life cycle • mammal 	<ul style="list-style-type: none"> • pectorals • pelvis • pivot joint • quadriceps • radius • relax • rib • ribcage • skeletal muscle • skeletal system • skeleton • slow-twitch fibres • smooth muscle • soft tissue • spine • sternum • synovial fluid • tendon • tibia • tibialis anterior • triceps • ulna • vertebrae 	<ul style="list-style-type: none"> • heart • hormone • immune system • immunity • lumen • nutrient • organ • oxygen • oxygenate • oxygenated • plasma • platelet • pulmonary artery • pulmonary vein • red blood cell • septum • tissue • valve • vein • vena cava • ventricle • white blood cell • reproductive system
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		<ul style="list-style-type: none">• offspring• omnivore• reproduction• sense• teenager• toddler	<ul style="list-style-type: none">• vertebrate• anus• carbohydrate• digestion• digestive acid• digestive enzyme• digestive organ• digestive system• excretion• faeces• large intestine• liver• mouth• nutrient• oesophagus• pancreas• protein• rectum• saliva• small intestine• stomach• tongue• tooth	<ul style="list-style-type: none">• semen• sexual reproduction• sperm• testicle• urethra• uterine lining• uterus• vagina
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			<ul style="list-style-type: none"> • vitamin 	
<ul style="list-style-type: none"> • Identification and classification 	<ul style="list-style-type: none"> • animal • autumn • badger • beak • change • claw • deer • feather • feature • fox • fur • identify • leaf • owl • paw • pet • rabbit • seed • sense • sight • smell 	<ul style="list-style-type: none"> • brick • ceramic • clay • concrete • cotton • fabric • glass • human-made • leather • material • metal • metal alloy • natural • object • oil • paper • plastic • rubber • sand • silk • stone 	<ul style="list-style-type: none"> • endoskeleton • exoskeleton • invertebrate • vertebrate • dark • dull • light • non-reflective • reflective • rough • shiny • smooth • compress • foam • gas • gel • liquid • material • matter • particle • powder 	<ul style="list-style-type: none"> • asexual • bulb • corm • different • identical • plant • rhizome • runner • seed • sexual • tuber • absorbent • bendy • conductor • dissolving • electrically • conductive • gas • hard • insoluble • insulator

- sound
- squirrel
- touch
- whisker
- wild animal
- group
- object
- sort
- dull
- group
- light
- non-shiny
- reflect
- shiny
- sort
- nocturnal
- animal
- Arctic fox
- Arctic wolf
- camouflage
- climate
- cold
- emperor penguin

- synthetic fabric
- water
- wood
- wool
- absorbent
- cardboard
- clay
- durability
- fabric
- flexibility
- glass
- man-made
- metal
- opaque
- plastic
- property
- rock
- strength
- transparent
- waterproof
- wood
- animal
- body part

- property
- solid
- state of matter
- viscous
- volume
- amphibian
- animal
- animal kingdom
- annelid
- arachnid
- arthropod
- bird
- classification
- cold blooded
- common name
- cone-bearing plant
- gymnosperm
- crustacean
- evolution
- exoskeleton
- feathers
- fish

- lattice metallic bonds
- liquid
- magnetic
- material
- non-metal solids
- particle
- property
- reflective
- rough
- saturated solution
- saturation point
- solid
- solid metals
- solubility
- soluble
- solute
- solution
- solvent
- state of matter
- stretchy
- strong
- thermal conductivity

- fur
- harp seal
- live
- orca
- polar bear
- reindeer
- snow leopard
- snowy owl
- walrus
- weather
- fabric
- glass
- hard
- material
- metal
- plastic
- rough
- smooth
- soft
- wood
- appearance
- baby
- bean

- female
- human
- living thing
- male
- mammal
- sense
- unique
- bud
- deciduous
- describe
- diagram
- evergreen
- leaf
- bulb
- compound
- deciduous
- evergreen
- garden plant
- leaf
- living thing
- lobed
- needle-like
- palmate

- flowering plant
- angiosperm
- fur
- hair
- insect
- invertebrate
- mammal
- mollusc
- multi-stage
- classification
- myriapod
- non-vascular plant
- observable features
- plant
- plant kingdom
- reptile
- scales
- scientific name
- serial ordering
- single-stage
- skin
- species
- spore-producing plant

- thermally
- conductive
- thermally non-
- conductive
- transparent
- vibrate
- waterproof
- amphibian
- annelid
- arthropod
- bird
- chordate
- classification key
- classify
- fish
- invertebrate
- kingdom
- mammal
- mollusc
- observe
- reptile
- vertebrate
- amphibian

- calf
- cat
- chick
- chicken
- cow
- dog
- duck
- duckling
- foal
- fruit
- germinate
- goat
- grow
- herb
- horse
- kid
- kitten
- lamb
- leaf
- parent
- pig
- piglet
- plant

- plant
- seed
- simple
- tree
- wild plant
- mammal
- offspring
- reptile
- saddle
- segment
- tail
- change
- cook
- heat
- raw
- adaptation
- amphibian
- animal
- berry
- bird
- camouflage
- fish
- hair

- taxonomy
- vascular plant
- vertebrate
- warm blooded

- animal kingdom
- annelid
- arachnid
- arthropod
- asexual reproduction
- bacteria
- bird
- classification
- classify
- crustacean
- fish
- fungus kingdom
- host
- insect
- invertebrate
- kingdom
- mammal
- microorganism
- mollusc
- monera kingdom
- multicellular
- myriapod

- puppy
- root
- seed
- sheep
- stem
- vegetable
- crocus
- daffodil
- flowering plant
- hyacinth
- plant
- primrose
- tulip
- colour
- different
- flower
- fruit
- leaf
- petal
- plant
- root
- shape
- similar

- identify
- invertebrate
- leaf
- mammal
- mimicry
- nut
- plant
- poisonous chemical
- predator
- prey
- quill
- reptile
- shield
- speed
- spine
- sting
- thorn
- warning
- colouration
- weapon
- bark
- basal plate
- blossom

- non-vascular plant
- pathogen
- plant kingdom
- protista kingdom
- reptile
- sexual reproduction
- unicellular
- vascular plant
- vertebrate
- virus

- stem
- vegetable
- wildflower
- bounce
- colourful
- dull
- mirror
- reflect
- reflection
- reflective surface
- shiny
- smooth
- symmetry
- animal
- baby
- bird
- egg
- endangered
- mammal
- reptile
- cardboard
- glass
- habitat

- branch
- bulb
- deciduous
- dormant
- flower
- flower bud
- flowering plant
- fruit
- habitat
- leaf
- plant
- scales
- season
- seed
- shrub
- soil
- stem
- tree
- tunic
- adult
- arachnid
- backbone
- bird

- metal
- paper
- plastic
- recyclable material
- ceramic
- crab
- crustacean
- fabric
- fish
- foam
- marine animal
- material
- metal
- mollusc
- plant
- plastic
- rubber
- starfish
- wood

- birth
- crustacean
- egg
- embryo
- fish
- grow
- growth
- habitat
- hatch
- hatching
- insect
- invertebrate
- larva
- life cycle
- mammal
- metamorphosis
- microhabitat
- mollusc
- myriapod
- offspring
- pupa
- pupation
- reproduce

		<ul style="list-style-type: none"> • reproduction • reptile • worm 		
<ul style="list-style-type: none"> • Investigation 	<ul style="list-style-type: none"> • investigate • material • test • try • waterproof • explore • light • non-shiny • reflect • shiny • torch • answer • ask • build • challenge • freeze • investigation • listen • melt 	<ul style="list-style-type: none"> • equipment • investigation • method • observe • prediction • results • observe • test • question • results • compare • digital microscope • equipment • hand lens • question • equipment • instructions • observation • question 	<ul style="list-style-type: none"> • data • equipment • fair test • investigation • method • observe • prediction • results • table • test • conclusion • control • fair test • method • question • results • table • variable • compare 	<ul style="list-style-type: none"> • compare • control • equipment • investigation • method • observe • prediction • test • classify • evidence • growth • identify • observe • predict • record • test • variable • conclusion • equipment

- question
- test
- experiment
- predict
- test
- challenge
- create
- freeze
- melt
- play
- change
- investigate
- watch
- change
- fluid
- investigation
- prediction
- property
- solid
- circuit
- compare
- describe

- safety
- aerobic exercise
- balancing exercise
- bone
- compare
- coordination
- data
- differences
- equipment
- exercise
- heart
- investigation
- lungs
- method
- muscle
- observe
- prediction
- results
- similarities
- strengthening exercise
- stretching exercise
- table

- cyanotype paper
- differences
- equipment
- observation

- prediction
- question
- results
- review
- test
- control
- equipment
- fair test
- investigation
- method
- observation
- prediction
- record
- results
- table
- variable
- data
- measure
- method
- observe
- variable
- hypothesis
- method

		<ul style="list-style-type: none"> • test • measurement • method • question • change overtime 		<ul style="list-style-type: none"> • plan • predict • compare • demonstration • feedback • findings • method • observation • compare • conclusion • hypothesis • measurement • method • observe
<ul style="list-style-type: none"> • Living Things 	<ul style="list-style-type: none"> • animal • ash • beech • bird • change • decay • horse chestnut • insect 	<ul style="list-style-type: none"> • amphibian • animal • bird • deciduous • evergreen • insect • mammal • reptile 	<ul style="list-style-type: none"> • lower formation • flowering plant • germination • growth • life cycle • mature plant • offspring • parent plant 	<ul style="list-style-type: none"> • acne • adolescent • adult • ageing • aggression • birth • blastocyst • breast

- leaf
- oak
- spider
- squirrel
- sycamore
- tree
- wild animal
- woodland plant
- animal
- bird
- centipede
- plant
- squirrel
- tree
- woodlice
- worm
- adult frog
- amphibian
- animal
- baby
- chick
- duckling
- froglet

- tree
- blossom
- bud
- flower
- fruit
- grow
- harvest
- leaf
- living thing
- plant
- ripen
- seed
- tree
- deciduous
- embryo
- energy
- evergreen
- germination
- nutrient
- tree
- warmth
- water

- pollination
- reproduction
- seed
- seed formation
- seedling
- young plant
- organism

- conception
- deterioration
- development
- embryo
- emotion
- fertilisation
- foetus
- gestation
- growth
- growth spurt
- hormone
- human
- juvenile
- menopause
- mood swing
- period
- puberty
- pubic hair
- reaction time
- reproduction
- reproductive organ
- self-esteem
- sweat

• frogspawn

• lamb

• life cycle

• tadpole

• ant

• bee

• butterfly

• caterpillar

• change

• chrysalis

• egg

• grow

• hatch

• insect

• ladybird

• life cycle

• pupa

• slug

• spider

• woodlouse

• worm

• insect

• invertebrate

• umbilical cord

• ancestor

• bacteria

• characteristic

• common ancestor

• deoxyribonucleic

acid (DNA)

• evolution

• evolutionary tree

diagram

• evolve

• living thing

• naturalist

• origin

• theory

	<ul style="list-style-type: none"> • minibeast • animal • carnivore • herbivore • omnivore 			
<ul style="list-style-type: none"> • Measurement 	<ul style="list-style-type: none"> • distance • furthest • Tools • measure • shortest • block • compare • length • measure • metre stick • size • trundle wheel • height • measure • measurement • ruler • observe 	<ul style="list-style-type: none"> • digital microscope • equipment • hand lens • compare • degrees Celsius • equipment • measurement • millimetre • rainfall • rain gauge • temperature • thermometer • unit • volume • digital microscope • equipment • hand lens 	<ul style="list-style-type: none"> • compare • equipment • force meter • measurement • newtons • centimetres • measurement • ruler • tape measure • percentage • decibel (dB) • hertz (Hz) • pitch • sound meter • volume • degrees • degrees Celsius 	<ul style="list-style-type: none"> • force meter • grams • kilograms • mass • measurement • newton • weight • data logger • degrees • degrees Celsius • equipment • interval • bpm • heart rate • heart rate monitor • heart rate recovery • measurement

• timer

• observe

• measurement

• ruler

• timer

• equipment

• liquid thermometer

• measurement

• temperature

• thermometer

• unit

• peak heart rate

• pulse rate

• resting heart rate

• timer

• liquid thermometer

• millilitres

• temperature

• thermometer

• unit

• volume

• data

• electric current

• measure

• multimeter

• volt

• voltage

• voltmeter

• data logger

• light intensity

• light meter

• lux

• mean

• reading

				<ul style="list-style-type: none"> repeat reading
<ul style="list-style-type: none"> Modelling 	<ul style="list-style-type: none"> battery buzzer circuit electricity flow lamp motor plug power remote-control switch dark globe light night planet torch 	<ul style="list-style-type: none"> lever linkage mechanism slider 	<ul style="list-style-type: none"> battery battery holder buzzer cell circuit complete circuit component crocodile clip electric current incomplete circuit lamp LED light-emitting diode motor series circuit switch wire 	<ul style="list-style-type: none"> effort fulrum gear lever lever arm load machine mechanical advantage mechanism pulley battery battery holder buzzer cell circuit circuit component symbol circuit diagram closed switch component

				<ul style="list-style-type: none"> • conductor • crocodile clip • electricity • insulator • lamp • LED • light-emitting diode • motor • open switch • series circuit • source • switch • terminal • voltmeter • wire
<ul style="list-style-type: none"> • Nutrition 	<ul style="list-style-type: none"> • carnivore • food • herbivore • meat • plant • teeth • carnivore 	<ul style="list-style-type: none"> • animal • beak • carnivore • claw • food • fruit • herbivore 	<ul style="list-style-type: none"> • carnivore • diet • diurnal • food • herbivore • malnutrition • mineral 	<ul style="list-style-type: none"> • animal • apex predator • consumer • dependent • energy • flow • food chain

- eat
- food
- grow
- healthy
- herbivore
- hunt
- meat
- omnivore
- plant
- animal
- carnivore

- hunt
- meat
- omnivore
- pincer
- plant
- seeds
- talon
- teeth
- vegetable
- wild animal
- animal
- carnivore
- consumer
- diet
- food
- food chain
- herbivore
- omnivore
- plant
- producer

- nocturnal
- nutrient
- nutrition
- omnivore
- predator
- prey
- seasonal
- vegan diet
- vegetarian diet
- vitamin
- apex predator
- carnivore
- consumer
- food chain
- food energy
- food web
- frugivore
- herbivore
- insectivore
- interdependence
- omnivore
- photosynthesis
- piscivore

- food web
- habitat
- plant
- prey
- primary consumer
- producer
- secondary consumer
- tertiary consumer
- circulatory system
- digestive system
- endocrine system
- excretory system
- muscular system
- nervous system
- reproductive system
- respiratory system
- skeletal system

			<ul style="list-style-type: none"> • predator • prey • primary consumer • producer • secondary consumer • tertiary consumer 	
<ul style="list-style-type: none"> • Observation 	<ul style="list-style-type: none"> • colour • compare • explore • feel • fruit • leaf • pattern • shape • skeleton • smell • taste • vegetable • vein • feel • hard • observe 	<ul style="list-style-type: none"> • compare • different • observe • same • similar • colour • observe • pattern • shape • size • smell • texture • type • camouflage • compare • observe 	<ul style="list-style-type: none"> • compare • differences • observe • similarities • change • classification key • test • anther • bud • carpel • compare • digital microscope • feature • filament • hand lens • ovary 	<ul style="list-style-type: none"> • compare • observe • dial plate • gnomon • shadow • sundial • differences • similarities

- rough

- smooth

- soft

- stick

- texture

- touch

- wet

- change

- feel

- touch

- explain

- explore

- handle

- look

- test

- beak

- claw

- describe

- eye

- feel

- look

- night-vision

- sense

- Features

- petal

- sepal

- stamen

- stigma

- style

- observation

- opaque

- translucent

- transparent

- classify

- observable features

- smell
- sniff
- softest
- touch
- watch
- wildlife camera
- wing
- cold
- describe
- explain
- feel
- freeze
- ice
- look
- melt
- slippery
- smooth
- touch
- warm
- wet
- describe
- footprint
- fossil

- look
- palaeontologist
- prehistoric creature
- see
- spot
- colour
- discuss
- feel
- idea
- look
- photograph
- question
- test
- colour
- crunchy
- decay
- describe
- hairy
- hand lens
- hard
- hear
- juicy
- look

	<ul style="list-style-type: none">• magnifying glass• mould• observe• pattern• rough• sense• shape• shiny• sight• slimy• smell• smooth• soft• sour• sweet• taste• texture• touch• boiled• colour• cooked• feel• handle			
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	<ul style="list-style-type: none">• hand lens• light• observe• pattern• patterned• raw• shape• size• smooth• soft• touch• butterfly• collect• colour• compare• describe• different• discuss• feel• listen• look• nectar• observe			
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• photograph

• proboscis

• record

• same

• scent

• sense

• shape

• smell

• texture

• tongue

• touch

• watch

• collect

• compare

• different

• discuss

• similar

• talk

• compare

• different

• height

• length

• observe

• same

• describe

• observe

• cold

• describe

• explore

• feel

• freeze

• handle

• ice

• liquid

• look

• melt

• observe

• predict

• solid

• warm

• water

• appearance

• body part

• colour

• compare

• describe

	<ul style="list-style-type: none"> • different • feature • movement • name • observe • prediction • same • sight 			
<ul style="list-style-type: none"> • Parts and functions 	<ul style="list-style-type: none"> • beak • branch • claw • feather • flower • fur • leaf • root • shape • size • stem • trunk • twig • bat 	<ul style="list-style-type: none"> • bark • blade • branch • flower • fruit • leaf • margin • petal • root • stalk • stem • trunk • vein • antenna 	<ul style="list-style-type: none"> • anchor • blade • carbon dioxide • energy • fibrous root system • flower • fruit • lateral root • leaf • petal • phloem • photosynthesis • pore • primary root 	<ul style="list-style-type: none"> • anther • bud • carpel • filament • flower • ovary • ovule • petal • pollen • sepal • stamen • stigma • style • artificial selection

- diurnal
- ear
- eye
- fur
- mammal
- nocturnal
- sense
- skin
- teeth
- wing
- beak
- legs
- wings
- cold-blooded
- dinosaur
- fur
- hair
- horn
- lizard
- mammal
- plate
- reptile
- scale

- arm
- balancing
- beak
- body covering
- body part
- breathing
- camouflage
- catching
- communicating
- ear
- eating
- eye
- feather
- fin
- foot
- fur
- gill
- gripping
- hair
- head
- hearing
- holding
- leg

- reproduction
- root
- root hair
- root system
- seed
- seed dispersal
- stalk
- stem
- sunlight
- support
- taproot system
- transpiration
- transportation
- vascular plant
- vein
- vessel
- xylem
- canine
- cusp
- incisor
- mandible
- maxilla
- molar

- continuous variation
- deoxyribonucleic acid (DNA)
- discontinuous variation
- gene
- genetics
- inheritance
- selective breeding
- variation

- spike
- warm-blooded
- bean
- blossom
- bud
- catkin
- flower
- leaf
- petal
- root
- stem
- tree
- antennae
- flower
- grow
- hard outer shell
- insect
- leaf
- petal
- plant
- root
- seed
- stem

- limb
- mandible
- mouth
- moving
- nose
- nostril
- pinna
- protection
- scale
- sense
- shell
- sight
- skin
- smell
- smelling
- tail
- taste
- tasting
- teeth
- tongue
- touch
- wing
- air

- permanent teeth
- premolar
- primary teeth
- tooth

- wing
- beak
- camouflage
- claw
- ears
- eyes
- feather
- fur
- hair
- leg
- nose
- paw
- scales
- skin
- tail
- teeth
- whisker
- wing
- antennae
- leg
- shell
- tentacle
- wing

- carbon dioxide
- food
- leaf
- nutrients
- plant
- root
- shade
- space
- stem
- sunlight
- survive
- temperature
- warmth
- water

	<ul style="list-style-type: none">• animal• beak• bird• body• claw• different• ear• eye• feather• feature• feet• fur• habitat• hair• head• horn• leg• nose• same• tusk• whisker• wing• antennae			
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	<ul style="list-style-type: none"> • arm • breathing • claw • communication • eye • feeding • feet • fin • gills • leg • mouth • movement • pincer • predator • protection • scales • shell • spine • survival • tail • tentacle 			
<ul style="list-style-type: none"> • Pattern Seeking 	<ul style="list-style-type: none"> • cold 	<ul style="list-style-type: none"> • autumn 	<ul style="list-style-type: none"> • pattern 	<ul style="list-style-type: none"> • block

- frost
- ice
- snow
- winter
- autumn
- pattern
- weather
- winter
- clothing
- cold
- hat
- pattern
- rainy
- shorts
- snowy
- spring
- sunglasses
- sunny
- T-shirt
- umbrella
- weather
- wellies
- animal

- blossom
- bud
- daytime
- deciduous
- dormant
- Earth
- evergreen
- fruit
- grow
- hibernate
- leaf
- light
- migrate
- night time
- Northern Hemisphere
- rain
- season
- seasonal change
- spring
- summer
- Sun
- weather

- shape
- size
- pattern
- relationship

- daytime
- direction
- length
- night time
- pattern
- shadow
- sunlight
- sunrise
- sunset
- direction
- length
- opaque
- pattern
- relationship
- shadow
- shape
- translucent
- transparent

	<ul style="list-style-type: none"> • autumn • change • different • job • plant • season • spring • summer 	<ul style="list-style-type: none"> • winter 		
<ul style="list-style-type: none"> • Phenomena 	<ul style="list-style-type: none"> • dark • torch • block • dark • light • opaque • shadow • shape • solid • transparent • block • cast • dark • light 	<ul style="list-style-type: none"> • 	<ul style="list-style-type: none"> • friction • frictional force • lubricant • surface • tread pattern • artificial • block • darkness • energy • light • light source • mirror • Moon • natural 	<ul style="list-style-type: none"> • aerodynamic • air resistance • drag • friction • frictional force • lubricant • particle • pull • push • streamline • surface area • water resistance • axis • first quarter Moon

• shadow

• bigger

• cast

• dark

• light

• smaller

• cloud

• colour

• fall

• light

• rain

• rainbow

• water droplet

• wind

• movement

• wind

• afternoon

• block

• cast

• change

• dark

• darker

• disappear

• opaque

• ray

• reflect

• reflector

• shadow

• Sun

• translucent

• transparent

• air

• brass instrument

• cochlea

• cochlear nerve

• ear

• ear canal

• eardrum

• energy

• gas

• hearing

• inner ear

• liquid

• medium

• muffle

• musical instrument

• full Moon

• last quarter Moon

• lunar

• lunar eclipse

• new Moon

• orbit

• partial lunar eclipse

• partial solar eclipse

• penumbra

• function

• intensity

• variation

• volume

• dispersion

• phenomena

• prism

• rainbow

• refract

• refraction

• spectrum

• phases of the Moon

• rotate

• solar eclipse

	<ul style="list-style-type: none"> • echo • light • midday • morning • opaque • shade • shadow • shape • size • solid • sun • surface • transparent 		<ul style="list-style-type: none"> • ossicles • particle • peak • percussion • pinna • pitch • solid • sound • sound source • sound wave • stringed instrument • trough • vibrate • volume • wavelength • woodwind instrument 	<ul style="list-style-type: none"> • spherical • the Moon • total lunar eclipse • total solar eclipse • umbra • wane • waning crescent • Moon • waning gibbous • wax • waxing crescent • waxing gibbous
<ul style="list-style-type: none"> • Physical Things 	<ul style="list-style-type: none"> • block • brick • concrete • glass • guttering • hard 	<ul style="list-style-type: none"> • alive • breathe • dead • excretion • feed • grow 	<ul style="list-style-type: none"> • atmosphere • attract • attraction • aurora • compass • magnet 	<ul style="list-style-type: none"> • adolescent • adult • amphibian • baby • bird • birth

- material
- metal
- piping
- plastic
- rubber
- slate
- stone
- strong
- tile
- tough
- wood
- cotton wool
- fabric
- foam
- hessian
- material
- wadding
- fabric
- hard
- material
- rough
- smooth
- soft

- growth
- living
- move
- movement
- non-living
- nutrition
- offspring
- reproduction
- respiration
- senses
- sensitivity
- waste

- magnetic field
- magnetic force
- magnetism
- magnetosphere
- north pole
- outer core
- repel
- repulsion
- solar wind
- south pole
- appliance
- battery
- cell
- electricity
- mains electricity
- portable device
- power line
- power station
- pylon
- rechargeable
- socket
- source
- wire

- egg
- embryo
- growth
- hatching
- insect
- larva
- life cycle
- mammal
- metamorphosis
- offspring
- reproduction
- cold blooded
- fish
- foetus
- gestation
- growth
- hatching
- infant
- insect
- juvenile
- larva
- life cycle
- lifespan

	<ul style="list-style-type: none"> • group • opaque • shadow • transparent • fabric • material • waterproof • bouncy • not bouncy 			<ul style="list-style-type: none"> • mammal • metamorphosis • offspring • process • puberty • pupa • reproduction • reptile • sexually mature • sexual reproduction • stage • vertebrate • warm blooded
<ul style="list-style-type: none"> • Properties and Uses 	<ul style="list-style-type: none"> • hard • magnetic • material • soft • waterproof • attract • force • magnet • magnetic 	<ul style="list-style-type: none"> • absorbency • absorbent • bendy • brick • cardboard • clay • fabric • glass • hard 	<ul style="list-style-type: none"> • crystalline • dull • hard • impermeable • layer • permeable • property • rock • shiny 	<ul style="list-style-type: none"> • absorbent • bendy • electrically conductive • hard • magnetic • material • property • purpose

- non-magnetic
- pole
- pull
- push
- repel
- dry
- fabric
- material
- not waterproof
- water
- waterproof
- wet

- man-made
- material
- metal
- natural
- object
- opaque
- paper
- plastic
- property
- rock
- rough
- smooth
- soft
- strength
- stretchy
- strong
- texture
- transparent
- use
- waterproof
- wood
- material
- purpose

- soft
- suitability
- suitable
- cobalt
- ferrofluid
- ferrous
- iron
- magnetic
- magnetise
- magnetite
- material
- metal
- nickel
- property
- steel
- brass
- conductive
- conductor
- copper
- core
- earth wire
- electrical conductivity
- filament

- reflective
- rough
- stretchy
- strong
- suitable
- transparent
- waterproof
- concave mirror
- convex mirror
- plane mirror
- reflective

		<ul style="list-style-type: none"> • suitable 	<ul style="list-style-type: none"> • glass • gold • graphite • insulator • live wire • material • metal • neutral wire • non-conductive • non-metal • plastic • property • resistance • rubber • silver • tungsten • wood 	
<ul style="list-style-type: none"> • Questioning 	<ul style="list-style-type: none"> • dislike • like • talk • dislike • how 	<ul style="list-style-type: none"> • question • research • answer • assistive tools • question 	<ul style="list-style-type: none"> • question • research • answer • how • nectar 	<ul style="list-style-type: none"> • question • research • validity • innovative material • materials scientist

- like
- question
- who
- why
- describe
- hear
- how
- see
- sense
- smell
- talk
- touch
- what
- which
- how
- question
- which
- why
- ask
- communicate
- how
- question
- talk

- research
- sensory loss

- pollen
- pollination
- pollinator
- question
- research
- what
- which
- why
- sort
- incandescent light bulb
- light bulb
- question
- research

- question
- research
- hypothesis
- hypothesise
- question
- question
- research
- source
- information source
- question
- research

	<ul style="list-style-type: none">• what• why• ask• how• question• what• where• why• ask• different• how• question• same• what• where• why• how• question• what• when• where• why• ask			
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	<ul style="list-style-type: none"> • explain • explore • how • listen • question • reason • what • where • which • why • compare • how • question • what • when • where • whose • why 			
<ul style="list-style-type: none"> • Report and conclude 	<ul style="list-style-type: none"> • change • colour • different • discuss 	<ul style="list-style-type: none"> • differences • results • similarities • compare 	<ul style="list-style-type: none"> • conclusion • results • classify • record 	<ul style="list-style-type: none"> • describe • findings • cause • compare

- feel
- seasonal change
- describe
- group
- sort
- explain
- predict
- reason
- discuss
- explain
- talk
- describe
- explain
- reason
- sort
- count
- most common
- record
- weather chart
- compare
- different
- draw
- measurement

- describe
- meteorologist
- results
- weather forecast
- weather symbol
- describe
- evidence
- explain
- food
- importance
- materials
- purpose
- shelter
- conclusion
- data
- results
- pattern
- same

- compare
- describe
- explanation
- findings
- results
- compare
- conclusion
- describe
- evidence
- explanation
- report
- conclude
- discuss
- evidence
- explain
- record
- results
- compare
- observation

- conclude
- discuss
- effect
- evidence
- explain
- impact
- justify
- anomaly
- conclusion
- correlation
- evidence
- findings
- line graph
- line of best fit
- negative correlation
- pattern
- positive correlation
- results
- conclusion
- findings
- report
- results
- scientific report

- observe
- photograph
- record
- similar
- after that
- describe
- discussion
- explain
- first
- next
- report
- talk
- then
- ask
- describe
- label
- observe
- photograph
- question
- record
- show
- change
- compare

- action
- cause
- conclude
- discuss
- effect
- evidence
- explain
- model
- terminology
- compare
- differences
- report
- results
- review
- similarities
- against
- argument
- debate
- for
- question
- research

	<ul style="list-style-type: none"> • describe • discuss • photograph • record • share • talk • describe • discuss • explain • results • waterproof 			
<ul style="list-style-type: none"> • Staying Safe 	<ul style="list-style-type: none"> • equipment • follow instructions • listen • safely 	<ul style="list-style-type: none"> • danger • hearing • safe • sense • sight • smell • taste • touch • rays • Sun • sun cream 	<ul style="list-style-type: none"> • close-weave • damage • protection • safety • shade • skin cancer • SPF • Sun • sunburn • sun cream • sunglasses 	<ul style="list-style-type: none"> • precaution • safety • laser warning triangle • safety

		<ul style="list-style-type: none"> • sunglasses • alive • healthy • safe 	<ul style="list-style-type: none"> • sun hat • sun protection factor • ultraviolet light • UV • cartridge fuse • earth wire • electrical safety • electric shock • flexible cable • insulator • three-pin plug 	
<ul style="list-style-type: none"> • Survival 	<ul style="list-style-type: none"> • claw • feather • feature • fur • hibernate • survive • warm • extinct • bird • bird feeder • care 	<ul style="list-style-type: none"> • grow • soil • sunlight • survive • water • care • exercise • food • healthy • pet • shelter 	<ul style="list-style-type: none"> • aerial root • epiphyte • nutrient • organic matter • soil • survival • water • growth • light • survival • warmth 	<ul style="list-style-type: none"> • adult • asexual • clone • develop • different • dispersal • fertilisation • fertilise • germination • growth • identical

- help
- survive
- winter
- flower
- grow
- plant
- seed
- soil
- sow
- sunlight
- water
- air
- care
- food
- soil
- sunlight
- warmth
- water
- air
- care
- change
- compost
- conservation

- sleep
- survive
- water
- air
- food
- human need
- love
- shelter
- sleep
- space
- nutrient
- offspring
- shelter
- space
- survive
- water
- air
- alive
- food
- habitat
- improvement
- hibernation
- migration

- water
- air
- altitude
- animal
- climate
- food
- forest
- glacier
- habitat
- landscape
- living thing
- oxygen
- plant
- rainforest
- shelter
- support
- survive
- tundra

- life cycle
- mature
- offspring
- parent
- pollen
- pollination
- reproduction
- root
- seed
- sexual
- shoot
- sprout
- vegetative
- adaptation
- behavioural adaptation
- evolution
- habitat
- physical adaptation
- reproduce
- species
- survive
- adaptation

- decay
- gardener
- grow
- mould
- nutrients
- plant
- soil
- sunshine
- survive
- warmth
- water
- watering
- exercise
- food
- healthy
- shelter
- sleep
- survive
- water
- butterfly
- caterpillar
- change
- chrysalis

- reproduction
- seasonal change
- shelter
- sheltering

- ancestor
- characteristic
- characteristic
- chemical adaptation
- evolution
- natural selection
- physical
- speciation
- structural
adaptation
- survival of the
fittest
- theory
- variation

	<ul style="list-style-type: none">• egg• food• grow• life cycle• pupa• shelter• survive• drink• grow• hydrated• living things• survive• water• environment• litter• protect• recycle• wildlife			
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