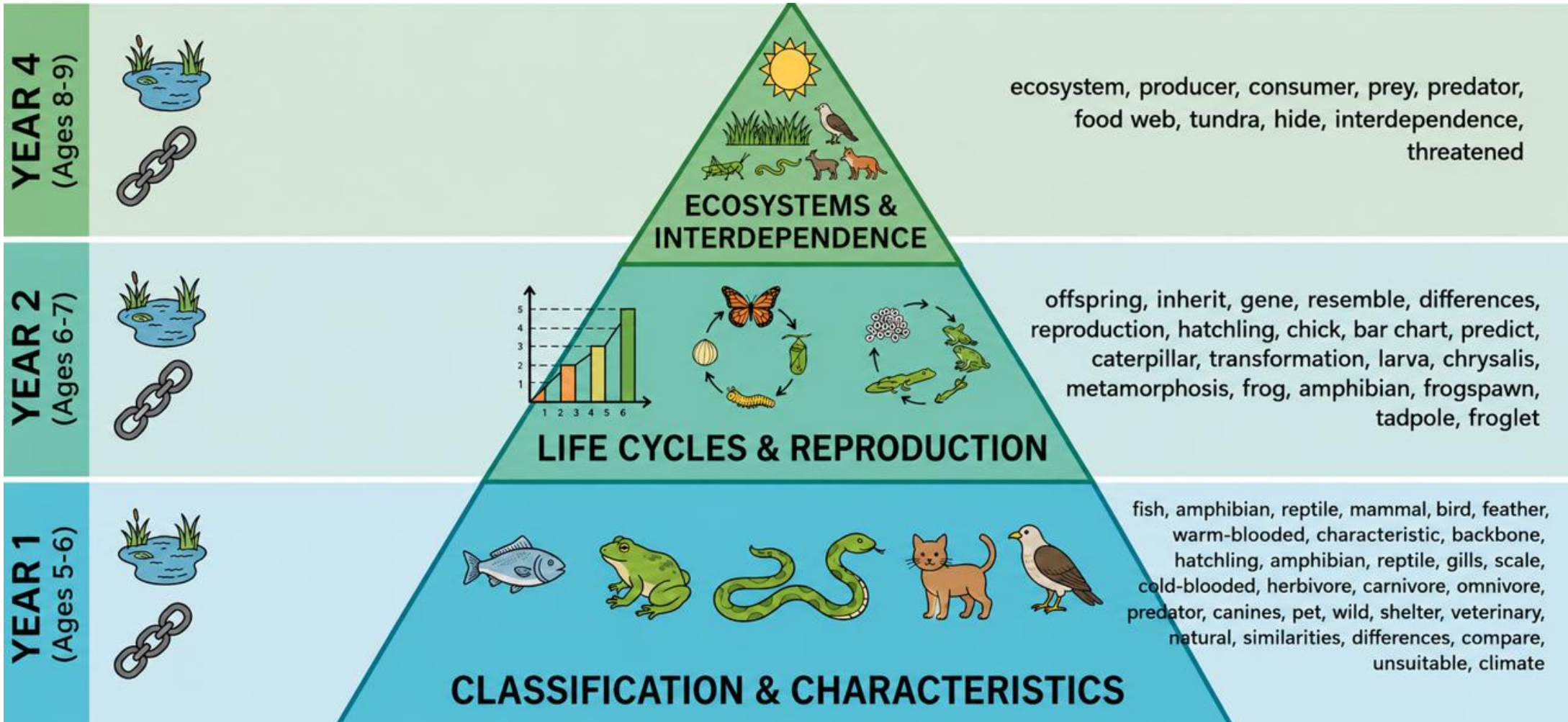


Animals Including Humans – Animals

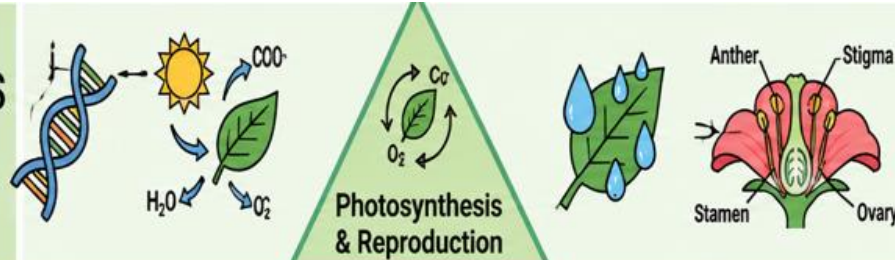


Plants

YEAR 3
(Ages 7-8)



**ADVANCED FUNCTIONS
& REPRODUCTION**



nutrients, fertiliser, thrive, investigation, prediction, energy, oxygen, function, photosynthesis, carbon dioxide, anchor, tube, absorb, root hairs, transpiration, anther, stigma, stamen, ovary, reproduce, pollination, pollen, nectar, seed dispersal, pollinator, conclusion, observe, diagram, comparison, vary

YEAR 2
(Ages 6-7)



**GROWTH CONDITIONS
& LIFE CYCLES**

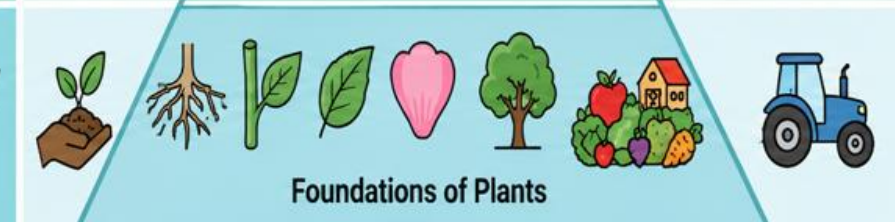


seed, bulb, grow, seedling, compare, predict, investigate, experiment, method, conditions, healthy, temperature, nutrients, energy, pollen, life cycle, germination, reproduce, seedling, energy, results, greenhouse, thrive, healthy, forest, desert, results, greenhouse

YEAR 1
(Ages 5-6)



**FOUNDATIONAL ANATOMY
& CLASSIFICATION**



seed, plant, tree, soil, predict, stem, petal, leaf, root, flower, environment, weed, daisy, dandelion, wild, deciduous, evergreen, seasons, branch, bush, supermarket, fruit, vegetable, farm, tractor, growth, seedling, young plant, adult plant, observe

Animals Including Humans – Humans

YEAR 6 (Ages 10-11) - CIRCULATION & SUBSTANCES



circulatory system, atrium, ventricle, vessel, valves, vessel, artery, vein, capillary, microscope, blood, plasma, platelet, white blood cell, red blood cell absorb, diffusion, osmosis, concentration, nutrients, diet, exercise, heart rate, BPM, pulse drug, painkiller, stimulant, depressant, hallucinogens



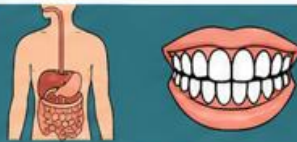
YEAR 5 (Ages 9-10) - REPRODUCTION & DEVELOPMENT



foetus, dependent, adolescent, puberty, reproduce, gestation, pregnant, duration, extreme, breeding, womb, umbilical chord, embryo, trimester, midwife growth spurt, childhood, motor skills, milk teeth, constant, adolescence, puberty, hormones, mood swing, develop, lifestyle, keratin, elasticity, cataracts, neurodegenerative



YEAR 4 (Ages 8-9) - DIGESTION & TEETH



digestive system, oesophagus, stomach, small intestine, large intestine, saliva, peristalsis, absorb, liver, gall bladder incisors, canines, molars, jaw, gum, enamel, plaque, tooth decay, cavity, fluoride



YEAR 3 (Ages 7-8) - SKELETONS & MUSCLES



nutrition, carbohydrate, protein, vitamin, mineral, nutrition label, portion, energy, balanced, diet, vertebrate, invertebrate, endoskeleton, exoskeleton, hydrostatic skeleton, humerus, ulna, radius, tibia, fibular, endoskeleton, vertebrate, skull, rib cage, spine, muscle, contract, hamstrings, biceps, diaphragm

Nutrition Facts	
Amount Per Serving	
% Daily Value*	
Total Fat	100%
Cholesterol	100%
Sodium	100%
Total Carbohydrate	100%
Protein	100%
Vitamin A	100%
Vitamin C	100%
Calcium	100%
Iron	100%

YEAR 2 (Ages 6-7) - GROWTH, DIET, & HEALTH



survival, shelter, nutrition, oxygen, essential, vital, non-essential, survive, grow, healthy, protein, carbohydrate, dairy, vitamins, calcium, fat, balanced diet, nutrients, fresh food, pre-cooked, processed food, exercise, strength, flexibility, balance, coordination, hygiene, prevent, germs, bacteria, virus, life cycle, grow, survive, independent, adult, foetus, womb, helpless, toddler, develop



YEAR 1 (Ages 5-6) - MY BODY AND SENSES



head, body, skeleton, limb, joint, brain, eyelash, eye, sight, pupil, sound, ear, sign language, vibration, deafness, tongue, mouth, taste, flavour, sweet, touch, fingertips, skin, organ, brain, smell, odour, nose, nostril, nose hair



Earth and Space

YEAR 6 (Ages 10-11)



weather, climate, prevent, global warming, climate change, recycle, landfill, rubbish, biodegrade, council, net zero, renewable, non-renewable, greenhouse gases, emissions, industrial revolution, fossil fuel, coal, combustion, fuel, COP, sustainability, conference, pledge, subsidy, species, sensitive, natural disaster, habitat, vulnerable

YEAR 5 (Ages 9-10)



EARTH AND SPACE



terrestrial planet, gas giant planets, Solar System, spherical, orbit, astronomy, heliocentric, geocentric, dwarf planet, orbit, pole, season, hemisphere, axis, rotate, time zone, gnomon, shadow, moon phase, waxing, eclipse, rocky planet, gas planet, rocky planet, gas planet, moon, orbit, solar system

YEAR 4 (Ages 10-11)



CONSERVATION



ecosystem, Northern Hemisphere, Southern Hemisphere, migrate, monsoon, rainforest, deforestation, drought, biodiversity, recycling, fossil fuels, pollution, greenhouse gases, emissions, climate change, chemicals, sewage, contaminate, pesticides, water treatment, plant, conserve, drought, freshwater, pure, water but, endangered, marine sanctuaries, protect, conservation areas, recycling

YEAR 3 (Ages 9-10)



ROCKS



igneous rocks, intrusive igneous rock, extrusive igneous rock, crystals, magma, sedimentary rock, metamorphic rock, limestone, marble, sandstone, weathering, chemical weathering, physical weathering, biological weathering, acid rain, appearance, texture, submerged, erosion, receding, fossil, extinct, sediment, embedded, amber, decompose, fragments, clay soil, chalky soil, sandy soil

YEAR 1 (Ages 10-11)



SEASONAL CHANGES



season, spring, summer, autumn, winter, autumn, hibernate, weather, protect, harvest, winter, weather, frost, icicle, temperature, spring, daylight, changes, grow, chick, summer, nectar, sun protection, bloom, heatwave, rainfall, hibernation, rain gauge, temperature, protect

Materials and Chemicals

YEAR 5 (Ages 9-10)



CHEMICAL CHANGES & SOLUTIONS

Conductive, magnetic, durable, transparent, versatile, thermal, conduction, molecules, degrees Celsius (°C), insulator, hardness, force, iron, steel, stone, dissolve, solute, insoluble, soluble, solvent, solute, solvent, solution, substance, saturation, pure substance, mixture, filtering, sieving, evaporation, pure substance, solute, solvent, solution, evaporate, reversible, mixture, physical change, melting, evaporate, irreversible, chemical change, compare, effervescence, product, fair test, variable, control, corrosion, rusting, combustion, fuel, oxygen, extinguish, smother, reaction, predict, acid, bicarbonate of soda, carbon dioxide

YEAR 4 (Ages 8-9)



STATES OF MATTER

Matter, solid, liquid, gas, volume, particle, bond, arranged, cooled, heated, particle, melting, melting point, temperature, thermometer, freezing, reverse, boiling, sublimation, deposition, evaporation, condensation, absorb, water vapour, process, water cycle, precipitation, surface runoff, transpiration, groundwater

YEAR 3 (Ages 7-8)



SCIENTIFIC INVESTIGATION



Solar, scientific investigation, prediction, effective, record, results, data, table, bar chart, experiment, acidic, method, substance, conclusion, evidence, explanation, compare, reaction, measurements, fair test, control experiment, variable, conclusive, scientific knowledge, equipment, diagram, collated

YEAR 2 (Ages 6-7)



PROPERTIES & USES



Material, property, suitable, object, brick, bridge, triangle, obstacle, structure, construction, stretchy, elastic, floppy, hinder, limit, bend, twist, squash, stretch, force, mackintosh, protective, fluorescent, safety, waterproof, John McAdam, merchant, bound, highway, road

YEAR 1 (Ages 5-6)



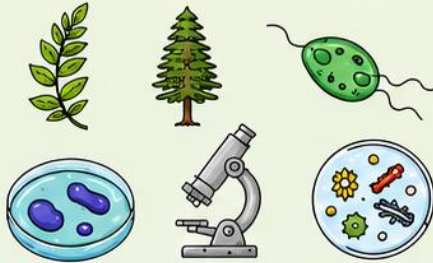
EVERYDAY MATERIALS



Material, fabric, wood, plastic, metal, object, glass, rock, brick, material, property, opaque, transparent, dull, stiff, natural, man-made, factory, rubber, polyester, predict, float, sink, submerged, heavy, absorbent, properties, waterproof, bendy, materials, solid, strong, brick, clay, wind, waterproof, absorbent, non-absorbent, roof, slate, transparent, opaque, suitable, window pane, window frame, fabric, furniture, cotton, mattress, soft, wool, weather, jumper, suitable, waterproof, evaluate, material, properties, tile, garden

Living Things

YEAR 6 (Ages 10-11)

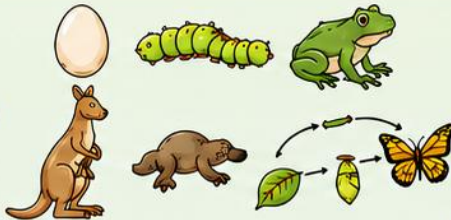


CELL BIOLOGY, CLASSIFICATION AND EVOLUTION



classify, microorganism, fern, living organism, conifer, kingdom, Mrs. Green, cell, multicellular, unicellular, Carl Linnaeus, classification, Latin, species, domain, microorganism, bacteria, fungi, virus, protozoa, plant, microscopic, fungi, mycelium, ecosystem, classify, microorganism, living organism, habitat, reproduction, offspring, characteristic, inherit, variation, environmental, adaptation, habitat, climate, nutrition, feature, nutrients, epiphytes, toxic, predators, pollinate, fossil, Mary Anning, Palaeontologist, ichthyosaurus, Jurassic coast, Charles Darwin, evolved, extinct, natural selection, theory, ancestor, tools, primate, Homo sapien, Neanderthal

YEAR 5 (Ages 9-10)



LIFE CYCLES AND REPRODUCTION



reproduction, asexual, fertilisation, tuber, genes, pouch, mammary glands, placental mammal, monotreme mammal, marsupial, metamorphosis, caterpillar, amphibian, larva, pupa, egg, fledgling, egg tooth, hatch, embryo, documentary, naturalist, primatologist, endangered, natural sciences, living organism, reproduction, life cycle, vertebrate, warm-blooded

YEAR 4 (Ages 8-9)



CLASSIFICATION AND ADAPTATIONS



habitat, microhabitat, conditions, adapted, camouflage, coastal, grassland, environment, climate, exposure, classify, characteristics, vertebrate, species, sub-groups, identify, criteria, classification keys, organism, adapted, region, features, colouring, blubber, ecosystem, oxygenised, flowering plant, non-flowering, plant, pond dipping

YEAR 2 (Ages 6-7)



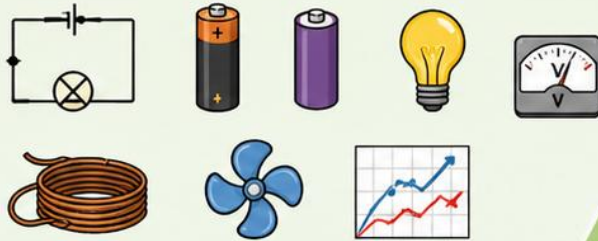
ENVIRONMENTS AND FOUNDATIONS



senses, nutrition, reproduce, excrete, respire, habitat, microhabitat, fungi, survive, shelter, antennae, suitable, condition, colony, insect, producer, consumer, herbivore, carnivore, omnivore, food chain, life cycle, nutrients, rot, caterpillar, automated, frozen food, forklift truck, refrigerated lorry, canned, organism, environment, mate, rainforest, moisture, extinct, climate, endangered, biodiversity, deforestation, poaching, pollution, rainforest, plankton, ocean, ecosystem, coral reef, trench, Antarctic, Arctic, caribou, narwhal, tundra, earthworm, desert, lizard, cactus, pond

Energy

YEAR 6 (Ages 10-11)



ADVANCED CIRCUITS AND ELECTRICAL SYSTEMS

component, circuit, circuit diagram, battery, cell, electricity, current, voltage, series circuit, brightness, blown, break, overload, filament, coil, output, variable, fair test, control, systematically, synchronised, insulative, conductor, contact, connection, high voltage, prototype, volts, upscaled, fan blade

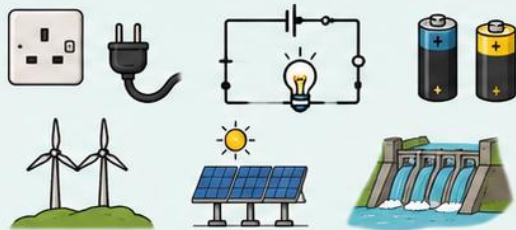
YEAR 5 (Ages 9-10)



FORCES, GRAVITY AND MECHANISMS

Sir Isaac Newton, gravity, astronomy, weight, mass, Galileo Galilei, air resistance, opposing, streamlined, upthrust, buoyant, sink, friction, resistance, lubricant, Newton meter, Newton, lever, load, pivot, fulcrum, pulley, mechanism, gear, mesh, rack and pinion, bevel gear

YEAR 4 (Ages 8-9)



ELECTRICITY AND RENEWABLE RESOURCES

electricity, batteries, mains electricity, appliance, plug socket, circuit, series circuit, component, cell, battery, wire, bulb, electrical conductor, electrical insulator, metal, copper, plastic, switch, control, complete circuit, incomplete circuit, non-renewable energy, renewable energy, wind turbines, solar panels, hydropower

YEAR 3 (Ages 7-8)

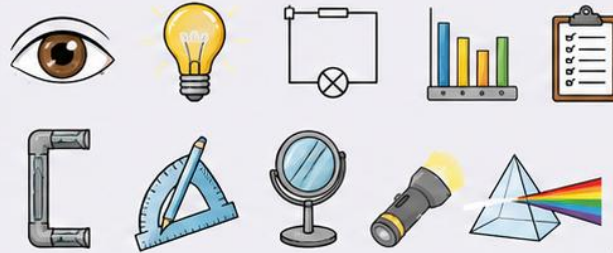


FORCES AND MAGNETISM

force, contact force, non-contact forces, air resistance, friction, motion, surface, resistance, texture, tilt, magnet, attract, repel, bar magnet, horseshoe magnet, magnetism, magnetic, magnetic field, iron, steel, non-contact forces, magnetism, attract, non-magnetic materials, recycle, compass, magnetic needle, magnetic north, direction, orienteering

Waves

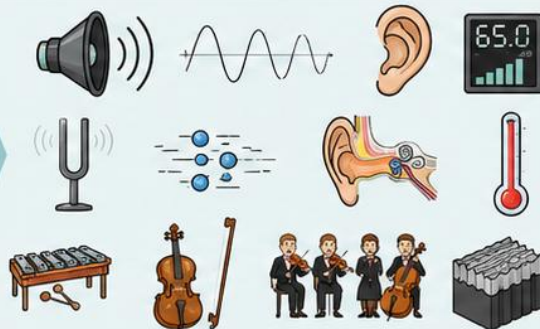
YEAR 6 (Ages 10-11)



LIGHT, REFLECTION AND REFRACTION

light, eye, light source, symbol, scientific diagram, reflected, prediction, fair test, variable, table, periscope, angle, mirror, line of sight, utilise, shadow, block, opaque, transparent, translucent, plan, sun shade, real life problem, rotate, direction, optical, phenomena, disperse, spectrum, refraction

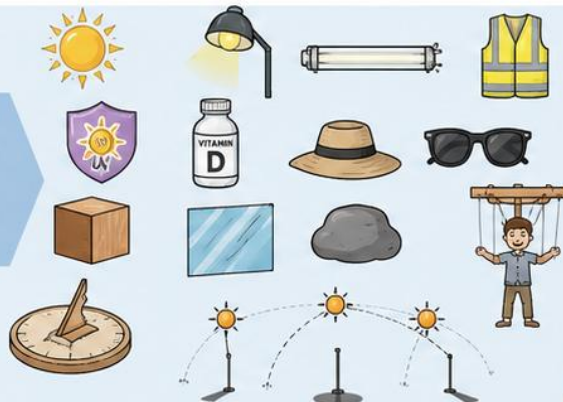
YEAR 4 (Ages 8-9)



SOUND AND VIBRATIONS

vibration, medium, waves, eardrum, signals, source, energy, particles, echo, vacuum, materials, reflect, absorb, insulate, defenders, volume, decibels, decibel metre, amplitude, power, pitch, high pitch, low pitch, instruments, orchestra, energy, particles, travel, sound source, fade

YEAR 3 (Ages 7-8)



LIGHT, SHADOWS AND SUN SAFETY

light, source, natural, artificial, reflect, vitamin D, ultraviolet rays, sunburn, exposure, protection, fluorescent, high visibility, reflective, surface, materials, shadow, opaque, sundial, rays, blocks, position, cast, opposite, direction, length, size, shape, closer, further, puppet