



Y5 Science Assessment

Working Scientifically
I can recognise which equipment to use for which investigation
I can plan different types of scientific enquiries to answer questions including recognising and controlling variables
I can use a range of scientific equipment to take measures and repeated readings
I can use scientific diagrams, labels, classification keys, tables, scatter graphs, bar and line graphs to record my data and results
I can make predictions using my test results to set up comparative and fair tests
Living things and their habitats
I can compare the life cycles of plants in my local environment to different habitats around the world (such as in the rainforest or in the Arctic)
I can describe asexual reproduction in plants
I can identify the processes of sexual reproduction in plants
I can identify the processes of sexual reproduction in animals
I can describe the similarities and differences between the life cycles of different animals
I can describe the similarities and differences between the life cycles of different plants
Animals, including humans
I can find out and record how the length and mass of a baby changes over time
I can research and use evidence to describe the different gestation periods of various animals
I can identify the changes to male and female bodies as they reach puberty
I can describe how humans grow and develop as they age
Properties and changes of materials
I can explain that certain changes are irreversible and new materials can be formed e.g. burning
I can demonstrate that dissolving, mixing and changing are reversible processes
I can use evidence from my tests to decide how to use everyday materials effectively
I can use my knowledge of solids, liquids and gases to decide how mixtures might be separated
I can describe how to recover a substance from a solution
I can recognise that some materials will dissolve in liquid to form a solution
I can compare and group everyday materials on the basis of their properties e.g. hardness, solubility, transparency, conductivity (electrical and thermal) and response to magnets
Earth and Space
I can explain day and night, using the Earth's rotation and the movement of the sun across the sky
I can identify and describe that a moon orbits a planet
I can describe the movement of the Moon relative to the Earth
I can describe the movement of the Earth, and other planets, relative to the Sun in the solar system
I can describe the Sun, Earth and Moon as approximately spherical bodies
I can name all of the planets
Forces
Explain that unsupported objects fall towards the Earth because of the force of gravity acting between the Earth and the falling object.
Identify the effects of air resistance, water resistance and friction, that act between moving surfaces.
Recognise that some mechanisms, including levers, pulleys and gears, allow a smaller force to have a greater effect.