

Energy and Growth

Growth - The process of increasing in size.

Energy - The ability to do work. Energy is strength and power.

There are many forms such as thermal (heat), radiant (light) or kinetic (movement).

Variation, Adaptation and Evolution

Variation - The presence of differences between living things of the same species.

Adaptation - The process by which animals, plants and other living things have changed so that they better suit their habitat.

Evolution - The way that living things change over time.

Working Scientifically

The processes of science: Asking questions, Planning and setting up different types of enquiries, performing tests, Observing and measuring, Identifying and classifying, Gathering and recording data, Using equipment, pattern seeking, researching, reporting, presenting and communicating data/findings, reasoning and arguing with scientific evidence.

Structure and Function

Structure – how something is composed of parts or arranged together in some way.

Function – a specific job or procedure.

Cause and Effect

Cause - why something happens.

Effect - what event has happened as a result of this.

Change

Changing from one material or state to another.

Similarity and difference

Similarity is sameness or a likeness between things and differences are a point or way in which people or things are not the same (dissimilar).

Process

A series of actions or steps taken in order to achieve a particular end.