

Year 6 Science Knowledge Organiser – Living Things and Their Habitats

Selected Vocabulary and Definitions Living Things and their Habitats

Micro-organism	A living thing too small to be seen by the human eye.	Annelid	An invertebrate that is a segmented worm.
Species	A group of living things that are closely related.	Deciduous	Plants that shed their leaves annually.
Bacteria	A single celled microorganism that can live anywhere	Coniferous	Evergreen plants usually with needle-shaped or scale-like leaves, pines or cones.
Vertebrate	Animals with a backbone or spinal column.	Kingdom	A Kingdom is the highest classification into which living organisms are grouped in Linnaean taxonomy.
Invertebrate	Animals without a backbone.	Classification	The arrangement of animals and plants into groups according to their observed similarities.
Arthropod	An invertebrate with an exoskeleton and a segmented body.	Characteristics	The characteristics of an organism are the features and qualities that make them recognisable.
Insect	A small arthropod animal that has six legs and three body parts.	Organism	Any living thing.
Mollusc	Invertebrate with an unsegmented body that can have a hard shell.	Arachnid	Small invertebrate usually with 8 legs

Plant Kingdom	
Plants can be classified into 5 main groups and then sub-divided further.	
Ferns 	A non-flowering plant with seeds or spores.
Conifers 	A non-flowering plant that are evergreen.
Flowering 	A plant that produces flowers.
Algae 	A non-flowering plant in water.
Mosses and liverworts 	Small flowerless plant, grown in damp habitats.

Curriculum Objectives

I can describe how living things are classified into broad groups according to common observable characteristics and based on similarities and differences, including micro-organisms, plants and animals.

I can give reasons for classifying plants and animals based on specific characteristics.

Key Questions

Describe an observable characteristic and give 5 examples.

Explain who Carl Linnaeus is and his classification system.

Name different types of micro-organism.

Classify organisms using the Linnaean system (frog, seagull, adder, pig, shark, dolphin, and spider.)

Name 2 useful and 2 harmful effects of different micro-organisms.



