

Knowledge Organiser – Science – Classifying Living Things

Key Vocabulary	Definition
classification	the arrangement of animals and plants into groups according to their observed similarities
organism	an individual animal, plant, or single-celled life form
animal	a living organism that feeds on organic matter, typically having specialised sense organs and nervous system and are able to respond rapidly to stimuli.
plant	a living organism such as trees, shrubs, herbs, grasses, ferns, and mosses, typically growing in a permanent site, absorbs water and inorganic substances through its roots, and makes nutrients in its leaves by photosynthesis using chlorophyll.
taxonomy	the branch of science concerned with classification, especially of organisms



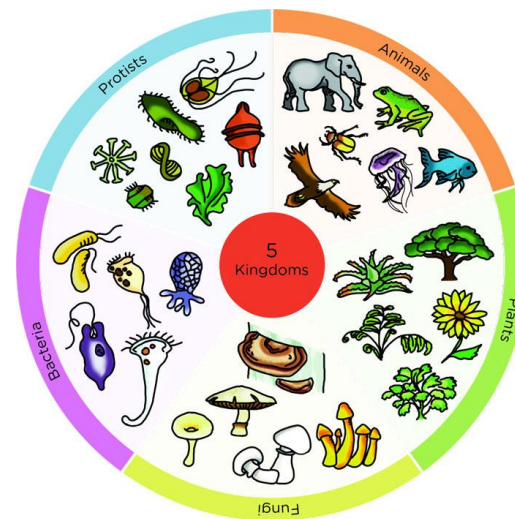
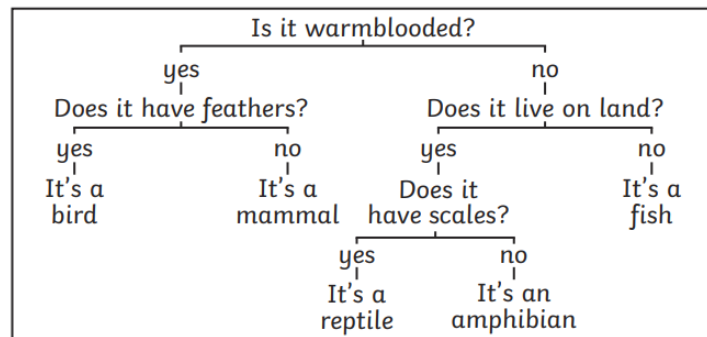
Carl Linnaeus – The Father of Taxonomy.

He created two scientific systems: the system for classifying plants and animals and the system for naming all living things.

Microorganisms



Scientists, called Taxonomists, sort and group living things according to their similarities and differences.



Helpful Microbes	Harmful Microbes
Bacteria – cheese	Bacteria – salmonella is a bacterium that can lead to food poisoning
Yeast – wine	Virus – chicken pox and flu are examples of viral diseases
Bacteria – yoghurt	Fungi – athlete's foot
Yeast – bread dough	Bacteria – plaque
Penicillium fungi - antibiotics	Fungi - mould