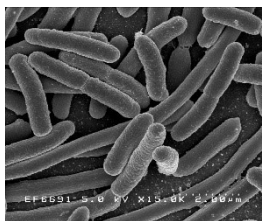


Vocabulary

characteristics	Special qualities or appearances that make an individual or group of things different to others.
classify	To sort things into different groups
taxonomist	A scientist who classifies different living things into categories.
bacteria	A single-celled microorganism.
microorganism	An organism that can only be seen using a microscope e.g. bacteria, mould and yeast.
microscope	A piece of equipment that is used to view very tiny (microscopic) things by magnifying their appearance
species	A group of animals that can reproduce to produce fertile offspring.



Bacteria viewed under a microscope.

Microorganisms

Microorganisms are virus, bacteria, moulds and yeast. Some animals (dust mites) and plants (phytoplankton) are also microorganisms.



Scientists use microscopes to observe and study microorganisms. They can magnify these living things by hundreds of times!

Helpful or Harmful?

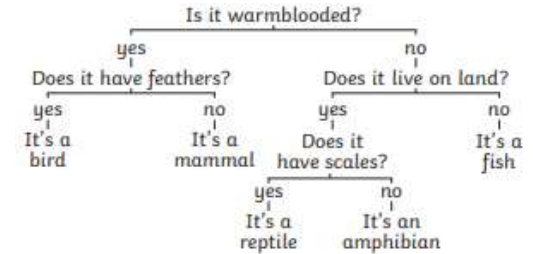
Helpful	Harmful
Cheese – Bacteria	Salmonella (Food Poisoning) – Bacteria
Wine – Yeast	Chicken Pox – Virus
Yoghurt – Bacteria	Athlete’s Foot – Fungi
Bread Dough – Yeast	Plaque – Bacteria
Antibiotics – Pencillium Fungi	Mould - Fungi



Yoghurt contains ‘good bacteria’ which helps build up

Classifying Living Creatures

All living things can be classified by their characteristics.



This example shows how you can classify the main types of animal.

Linnean System

In 1735, Carl Linneaus designed a system for classifying all living things. An updated version of this system is still used today. Living things can be classified by eight levels. The number gets smaller and smaller until there is only one animal left.

Domain: Eukarya	jackal, clownfish, cat, dog, ladybird, daisy, rabbit, fox
Kingdom: Animalia	jackal, clownfish, cat, dog, ladybird, rabbit, fox
Phylum: Chordata	jackal, clownfish, cat, dog, rabbit, fox

Living Things and Their Habitats

