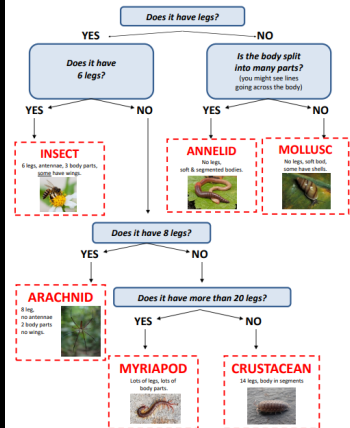


Alive and Kicking



Classification key

A classification key is a series of questions that help us to group, identify and name living things.



Microorganisms (microbes)

Microorganisms are tiny living things. They are everywhere!
There are five main groups of microorganisms:

fungi	algae	bacteria	protozoa	viruses

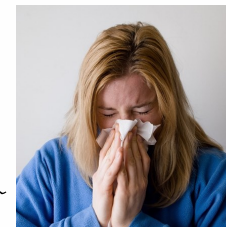
Good microbes

- Gut bacteria
- Probiotics
- Penicillin
- Vaccines
- Food production



Bad microbes

- Bacterial infections
- Sore throat
- Tummy upset
- Viruses
- Contaminated water



Key vocabulary

cell	The smallest unit that has the characteristics of life (all living things are made up of cells)
disease	Something that you can catch that makes you ill
exoskeleton	Hard outer covering that protects and supports some invertebrates bodies
infectious	Can spread from one person to another
kingdom	The broadest level of classification to group living things (animal, plant, fungus)
organism	Any living thing such as a plant, animal, virus or bacteria
species	A group of living organisms with the same characteristics
virus	A microbe that can make you sick

Classifications Animals can be grouped in lots of different ways, based upon their characteristics:

Invertebrates Animals without backbones						Vertebrates Animals with backbones
Insects	Crustaceans	Molluscs	Arachnids	Annelids	Myriapod	
- Are cold/blooded - Live on land or in water - Have 3 parts to their bodies and most have 2 wings - Have exoskeletons - Hatch from eggs and go through a form of metamorphosis	- Are cold/blooded - Usually live in the sea - Have exoskeletons - Lay eggs	- Are cold/blooded - Live on land or water - Have very soft bodies - Lay eggs - May have shells for protection	- Are cold/blooded - Live mostly on land - Have 8 legs and spiders spin webs - Have exoskeletons - Lay eggs	- Are cold/blooded - Live mostly in water but some live on land - Have soft, segmented bodies - Have no skeleton - Lay eggs	- Are cold/blooded - Long thin body divided into parts - Has two legs per segment with at least 15 pairs	Can be divided into five groups: - mammals, - birds, - fish, - reptiles, - amphibians.