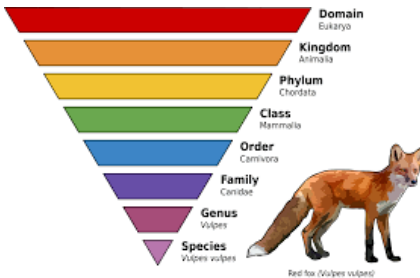


Year 5/6 Science: Living things and their habitats

EQ: How can living things be grouped?

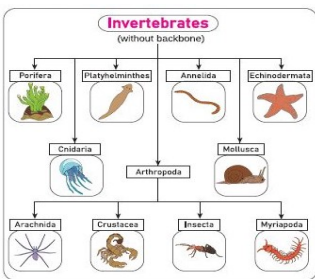


-Observable characteristics
-Behaviour
-Reproduction

Carl Linnaeus developed a system for classifying living things.

Living things: MRS NERG

EQ: How are invertebrates classified?



Invertebrates DO NOT have a backbone.

- Echinoderms
- Molluscs
- Annelids
- Arachnids
- Insects
- Crustaceans
- Myriapoda

EQ: How are microorganisms classified?

Microorganisms (also called microbes) are tiny living organisms.

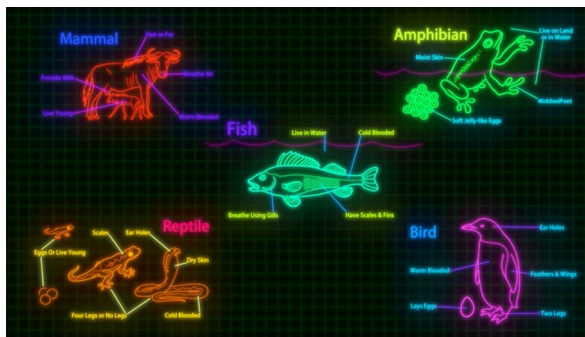
There are millions of microbes in the soil, air, water and the body of animals and plants. Some are useful and some are harmful.

Examples include viruses, bacteria, fungi and yeast.

EQ: How are vertebrates classified?



Vertebrates are animals that have a backbone / spinal. Vertebrates are a group (phylum) in the Animal Kingdom. Vertebrates can be grouped into 5 classes: **mammals, birds, fish, amphibians** and **reptiles**



EQ: How are plants classified?

All the plants in the world can be put into one of two groups: those which produce seeds and those which don't.

Plants can also be grouped in flowering and non-flowering plants.

Examples of flowering plants: garden shrubs, cereals and deciduous trees .

Examples of non-flowering plants: mosses, ferns, coniferous trees.

| | | |
|-----------------|--|--|
| Classify | | Group things according to shared characteristics |
| Characteristics | | Features or qualities of people or things |
| Vertebrates | | Animals with a spine (backbone) inside their body. |
| Invertebrates | | Animals without a spine (backbone). |
| Phylum | | The level of classification below Kingdom |
| Microorganisms | | A microscopic organism (living thing). |
| Bacteria | | Single-cell organisms which sometimes cause diseases. |
| Virus | | Infectious microorganism which replicates inside the cells of a living thing, destroying their host cells. |
| Arthropods | | A group of invertebrates with a jointed exo-skeleton. |
| Taxonomy | | The science of classifying living things. |