

Knowledge Organiser – Living Things (Science Year 4)

Key Vocabulary	Definition
Classification	Ways of naming and grouping living things by their similarities and differences.
Vertebrate	An animal with a backbone.
Invertebrate	An animal without a backbone.

Plants can be classified into five groups.



Plants that have flowers

1. Have flowers.
2. Make seeds.
3. Have veins in leaves.
4. Have roots and stems.



Conifers

1. Don't have flowers.
2. Make seeds on cones.
3. Leaves are needle-shaped.
4. Have roots and veins.



Mosses

1. Live in shady moist places.
2. Are very small.
3. Don't make seeds.
4. Make spores.



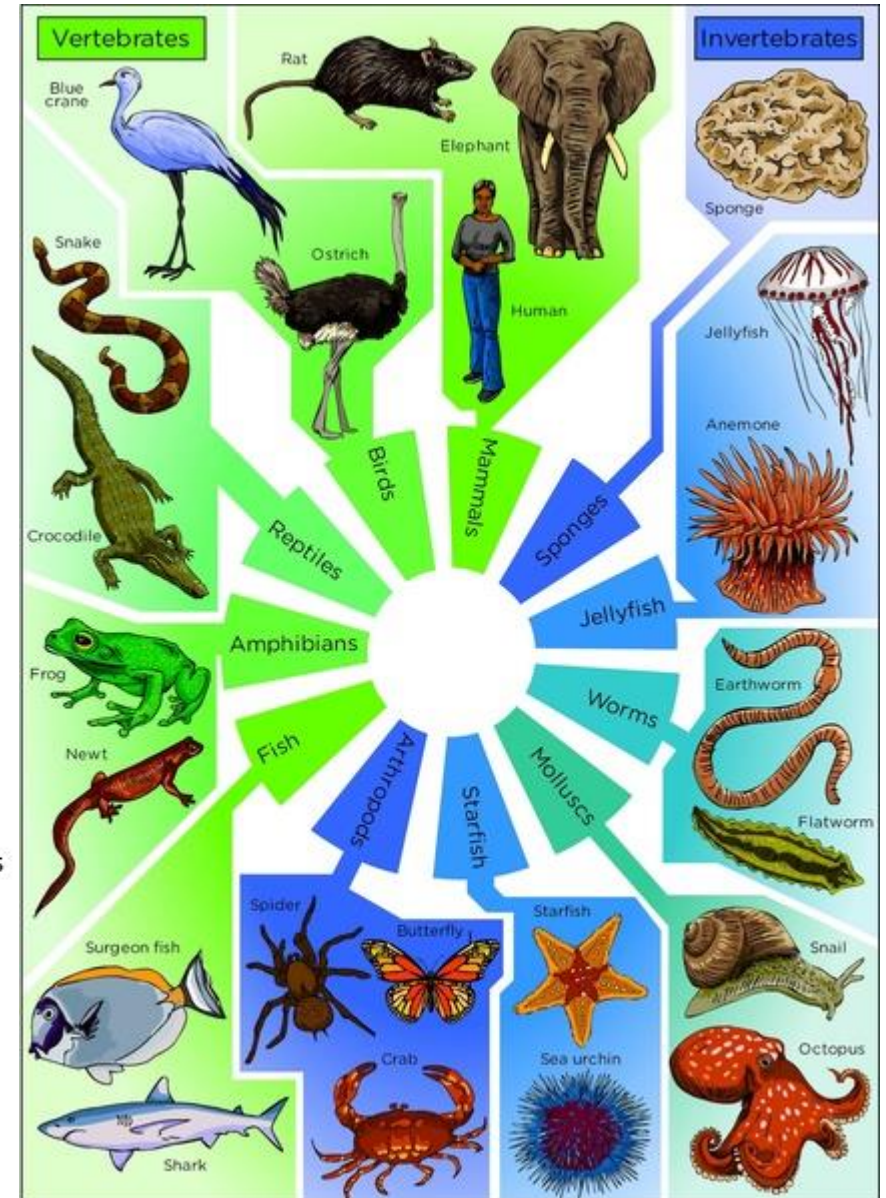
Algae

1. They all live in water.
2. They have no proper roots or leaves or stems.
3. Seaweed is the biggest kind of algae.



Ferns

1. No flowers or cones.
2. Make spores on the bottom of leaves.

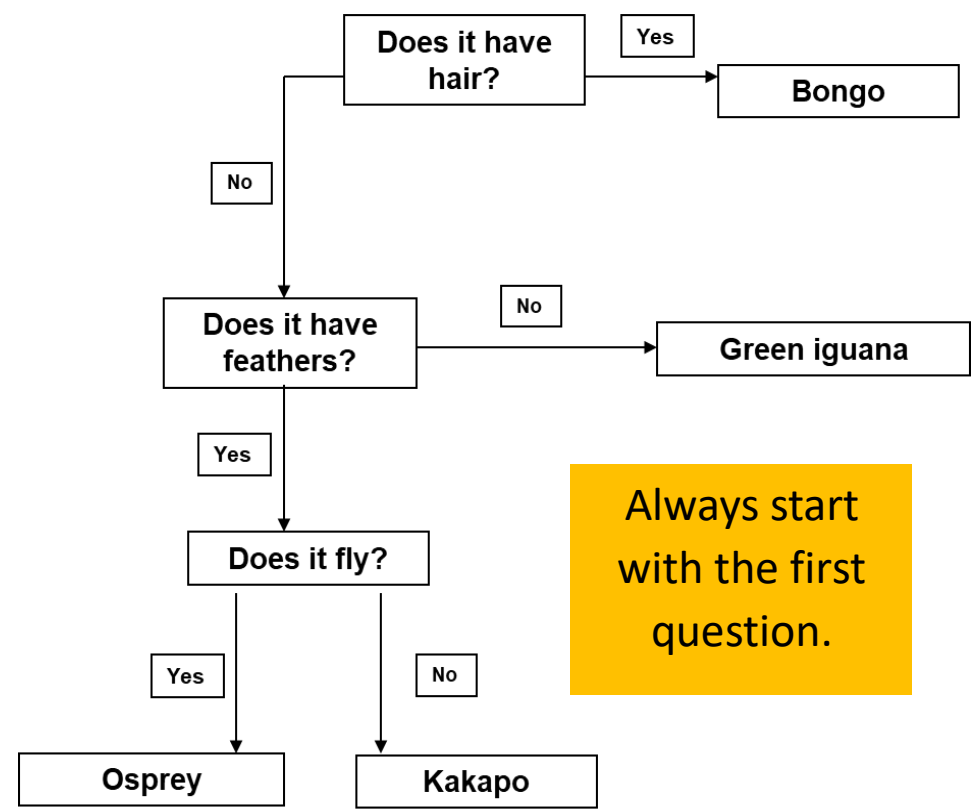


Vertebrates are animals with a backbone.

Characteristics of vertebrate groups



Classification keys allow you to ask a series of questions about a living organism to help you identify it.



Always start with the first question.

The answer to each question should always be 'yes' or 'no'.