

LIVING THINGS AND THEIR HABITATS

Knowledge Organiser

Year 6, Autumn 2 and Spring 1:
Living Things and Their Habitats
 Science Strand: **Biology**
 Whole School Topic: **Discover the Wonders of the World**



Key Vocabulary

flowering plants	Diverse group. Reproduce through flowers and seeds. E.g. sunflower
invertebrates	Animals that do not have a backbone. Can be divided into several groups including insects, spiders, snails and worms
non-flowering plants	Smaller group. They have a simple structure. They do not have flowers or seeds. They reproduce through spores. E.g. algae and mosses.
vertebrates	Animals that have a backbone. They can be divided into 5 groups: amphibians, reptiles, fish, mammals and birds.

What will I know about living things and their habitats by the end of this topic?

- Living things can be formally grouped according to characteristics.
- There are two main groups (plants and animals), but some living things do not fit into these (e.g. micro-organisms).
- Animals can be divided into two main groups (vertebrates and invertebrates)
- Plants can be divided broadly into two main groups (flowering and non flowering)
- Know about the classification system devised Carl Linnaeus and why it is important

FISH

- Cold blooded
- Scales covering its body
- Has fins
- Lives in water
- Lays eggs in water
- Breathes through gills

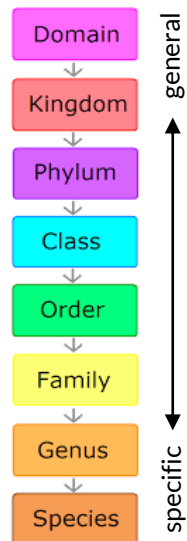


AMPHIBIAN

- Cold blooded
- Start as eggs in water and breathe through gills
- Later develop lungs and live on land and in water
- Lays eggs in water
- Damp skin/body



The Linnaean system of classification



BIRD

- Warm blooded
- Breathes with lungs
- Lays eggs with hard shells
- Covered with feathers
- Have wings but not all can fly



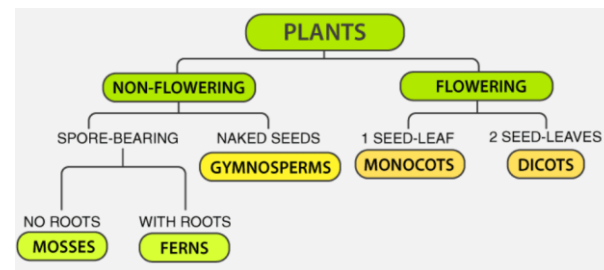
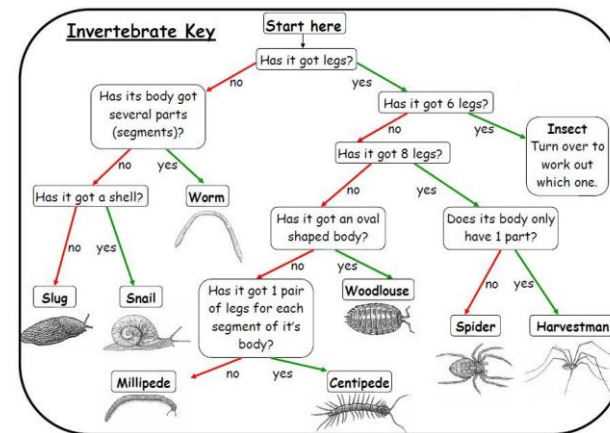
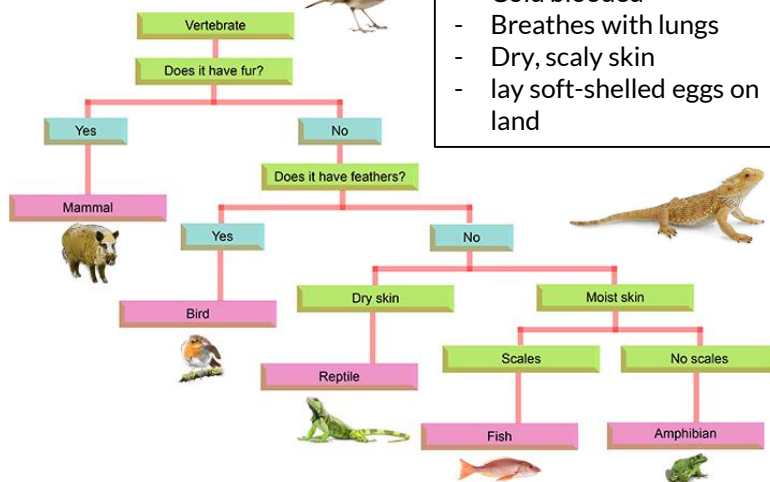
MAMMAL

- Warm blooded
- Have fur or hairy skin
- Give birth to live young
- Feed their young milk



REPTILE

- Cold blooded
- Breathes with lungs
- Dry, scaly skin
- lay soft-shelled eggs on land



Scientific Enquiry Approaches that we can use this term:

