



Philosophers Cycle A: Autumn Term 1 - Classifying Living things and their Habitats (Year 4)

Overview, Vocabulary and Sticky Knowledge



What do I already know about Living things and their habitats?

In Little Explorers, I learned...

- Animals live in different places called habitats.
- Animals need air, food, water and shelter to survive.
- Dinosaurs lived on earth a long time ago. They no longer exist.

In Big Explorers, I learned...

- Most living things live in habitats which suit them.
- Habitats provide safety.
- Habitats can be destroyed.
- A habitat is a place where animals and plants live.
- 7 characteristics of living things: Movement, Reproduction, Senses, Grow, Respire, Excrete, Nutrition

Challenging vocabulary.

Thorax, abdomen,

Words to learn.

Classify, vertebrate, invertebrate, cold-blooded, warm-blooded, sample, exoskeleton, Herbivorous, carnivorous, omnivorous, insectivorous, movement, respiration, senses, nutrition, excretion, reproduction, growth

Words I should know.

Creature, oxygen, mammal, amphibian, scales, fins, habitat, fish, bird, reptile

Key facts I will learn...

- 1) A vertebrate is an animal with a backbone.
- 2) Classifying means organising information into groups or shared qualities.
- 3) An ecosystem is a community of living things.



Knowledge Organiser: Living things and their habitats

Careers connected to living things and their habitats: animal care practitioner, biologist, zoologist



Lesson Sequence



1. Explore different habitats



2. Research a habitat



3. Explore how animals can be classified



4. Create a classification key

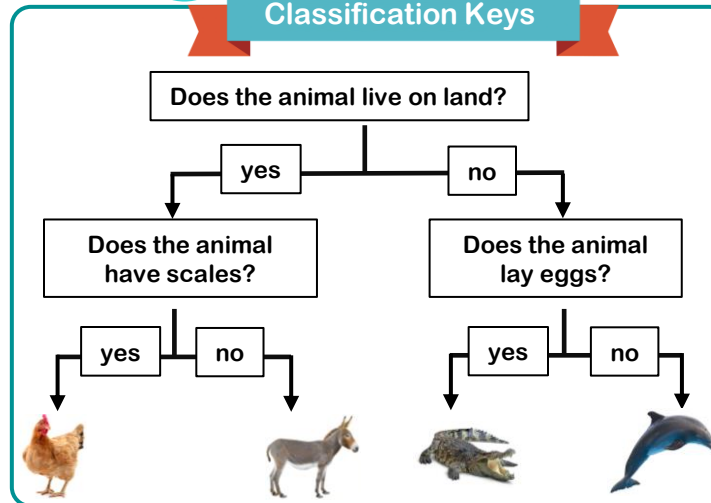


5. Adaptations and classification within species

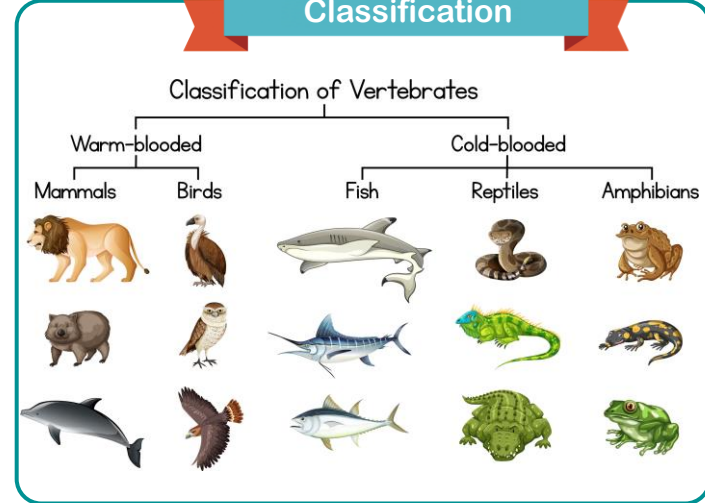


6. Explore and classify pond plants

Classification Keys

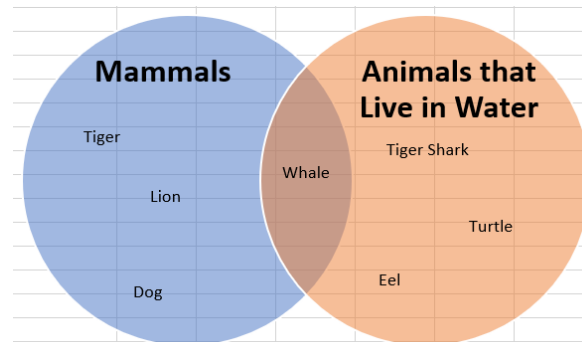


Classification

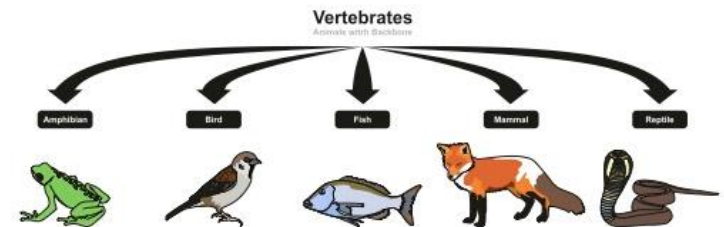


Venn Diagrams

Animals can be sorted, or classified, in a number of different ways. A 'branched' diagram or a Venn diagram, like those shown below, are just two examples.



What is a Classification Key?



A classification key is a series of questions that determine an organism's physical characteristics. **When you answer one question, it either branches off to another question or identifies the organism.** Ultimately, they help to identify an unknown organism, or work out how to categorise groups of similar organisms.