



# Science Knowledge Organiser - Living things and their habitats

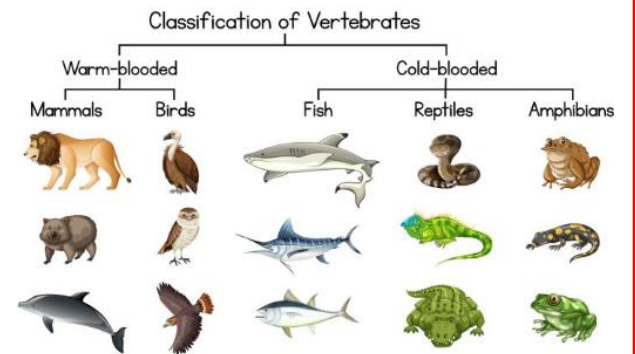
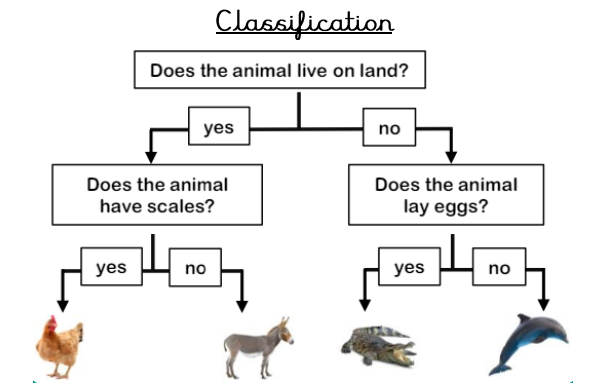
Potential Careers: animal care practitioner, biologist, zoologist

- L1 - Explore Different Habitats
- L2 - Research a Habitat
- L3 - Animal Classification
- L4 - Classification Key
- L5 - Adaptations within Species
- L6 - Classify Pond Plants



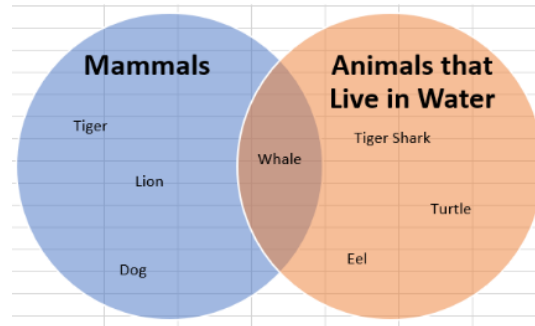
### What is a classification key?

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.



### Venn Diagram

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.



### Vocabulary

|                    |  |
|--------------------|--|
| adapted            | changed to suit an environment                                       |
| camouflage         | a way of blending or hiding in your surroundings                     |
| coastal            | at or near the coast, or beach                                       |
| grassland          | areas containing grass   |
| classify           | to arrange things in classes or groups according to shared qualities |
| species            | a grouping, or kinds of animals with similar characteristics         |
| sub-group          | a group within a larger group  |
| classification key | a series of questions that help to identify a species                |
| region             | a large space or area  |
| blubber            | a layer of fat beneath the skin of sea mammals                       |
| ecosystem          | a community of living things   |
| oxygenised         | contains oxygen  |



**Starter:** What special adaptations have the following animals got to help them survive in their environments.



### Scientist Study - Kelsey Archer Barnhill

A deep-sea ecologist researching impacts of multiple stressors on the cold-water coral, *Lophelia pertusa*. Currently, she is serving as the All-Atlantic Ocean Youth Ambassador for the United Kingdom.

