

Aldermoor Farm Primary School – Science Knowledge Organiser

Topic: Living Things and their Habitats

Year: Six

Strand: Biology

What should I already know?

- That living things can be grouped in different ways (Year 4)
- That a classification key can be used to group living things (Year 4)
- That there are differences in the life cycles of different living things for eg a mammal, amphibian and bird.
- How some animals and plants reproduce.

What will I know by the end of the unit?

1 . What similarities and differences do living things have?

The first and widest level in the biological classification system is called a kingdom, the second a phylum, then class, order, family, genus and species.

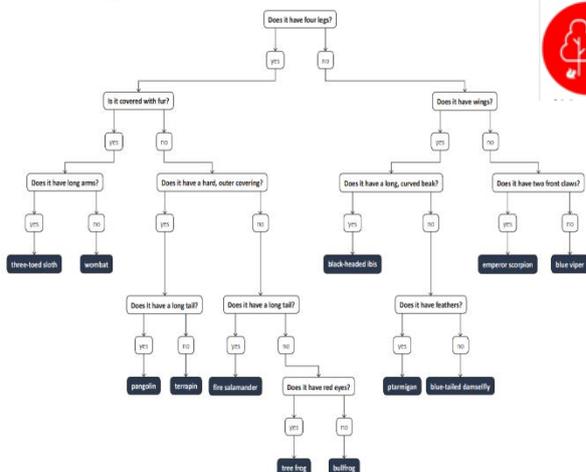
There are five kingdoms: **animals, plants, fungi, protists and monerans.**

Members of each kingdom have features in common



2/3.What are classification keys? How can living things be grouped using classification keys?

Classification keys help us identify living things based on their physical characteristics.



Vocabulary

characteristic	A quality or physical feature of a living thing.
classification	The arrangement of all living things into groups based on their shared characteristics.
classification key	A set of questions that help to identify a living thing and decide to which group it belongs
behavioural adaptation	Changes in the way a living thing behaves, such as hibernation, that confers an advantage in their habitat.
physical adaptation	Changes to a living thing's physical features, such as fur, that confer an advantage in their habitat.
thermal insulator	A material that does not allow heat to pass through.

4. How have living things adapted for survival?

An adaptation is a physical or behavioural trait that allows a living thing to survive in an environment.



5. – How do animals stay warm?



Questions can help us find out about the world and can be answered using a range of scientific enquiries, including fair tests, research and observation.



Where will my learning go next?

KS3 – You will look at relationships between living things in ecosystems in more detail.

Science Concepts			
	Processes	Forces	Our Planet
Living Things	Survival	Materials	Working Scientifically