

LO: To classify living things using a classification system

1. I know that living things can be grouped into a variety of ways
2. I can draw a diagram to classify living things
3. I can use scientific vocabulary and knowledge to justify my classifications

Key vocabulary: Vertebrates, mammals fish, amphibians, reptiles, birds, invertebrates, insects, spiders, snails, worms, Panda, Penguin, Ladybug, Monkey, Fox, Snake, Fish, Rhinoceros, Lion, Octopus, Butterfly, Frog, Tortoise, Bird, Frog, Shark

Fill in the KWL Chart about Living Things and Their Habitats.

What I know:	What I want to Know:
What I have learnt:	



What does classification mean? What is a classification system? How does using a classification system help us identify animals and plants?

Watch the YouTube videos to help you understand what classification is about. Write what you have learnt in the 'What I have learnt' box above.

- BBC - What is classification? <https://www.bbc.co.uk/bitesize/topics/zn22pv4/articles/z3nbcwx>
- BBC - What is classification and identification? <https://www.bbc.co.uk/bitesize/topics/z2ddmp3/articles/zccm3k7>

Using the videos to help you, fill in the blanks:

Animals can be d\_\_\_\_\_ into groups or 'c\_\_\_\_\_' by looking at the si\_\_\_\_\_ and di\_\_\_\_\_ between them. In other words, living things can be sorted into groups, or classifications, by asking a series of 'y\_\_ or n\_\_' questions. This will tell you what type of a\_\_\_\_\_ you're looking at.

A\_\_\_\_\_ are divided into t\_\_ main groups. Animals that have a backbone are called v\_\_\_\_\_. Animals that don't have a backbone are called i\_\_\_\_\_.

## Did you know?



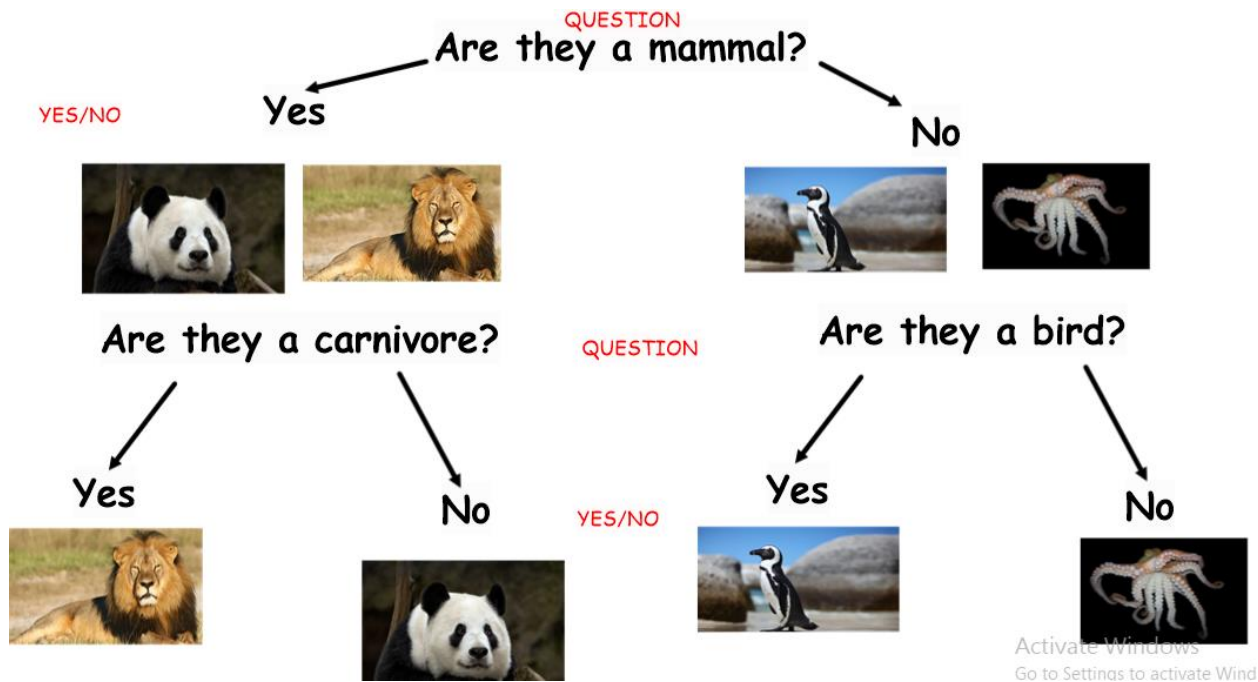
It is important to group animals and plants so that we can narrow them down into specific groups.



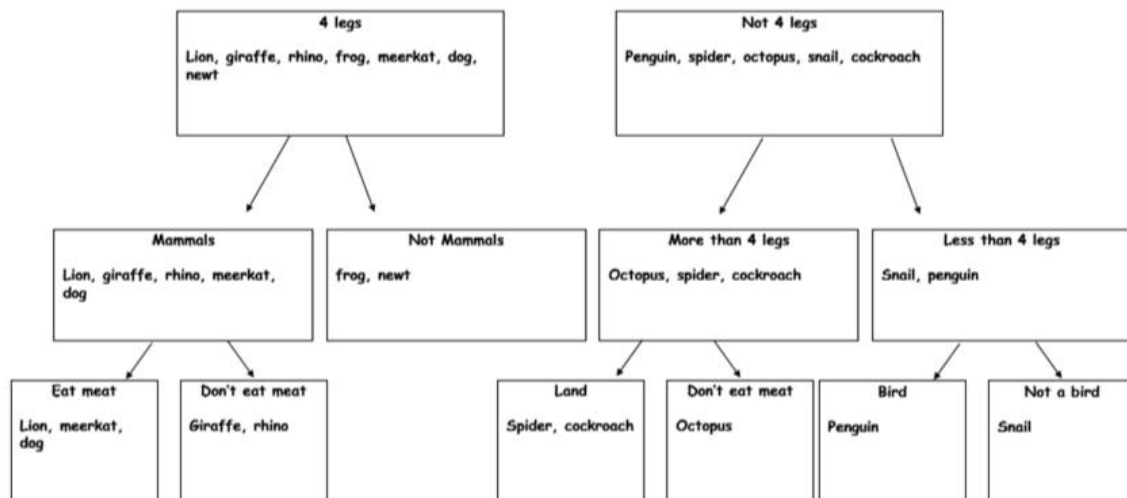
Scientists believe there may be as many as 10 million different species on Earth. When studying their lives and behaviours, it is important to have narrowed them down into different groups so that they can research the appropriate groups.

### How do I construct a classification system?

A simple way to group animals is through a key that asks questions to separate down to the animal/s. You can also classify animals through specific headings e.g. 4 legs, not 4 legs.



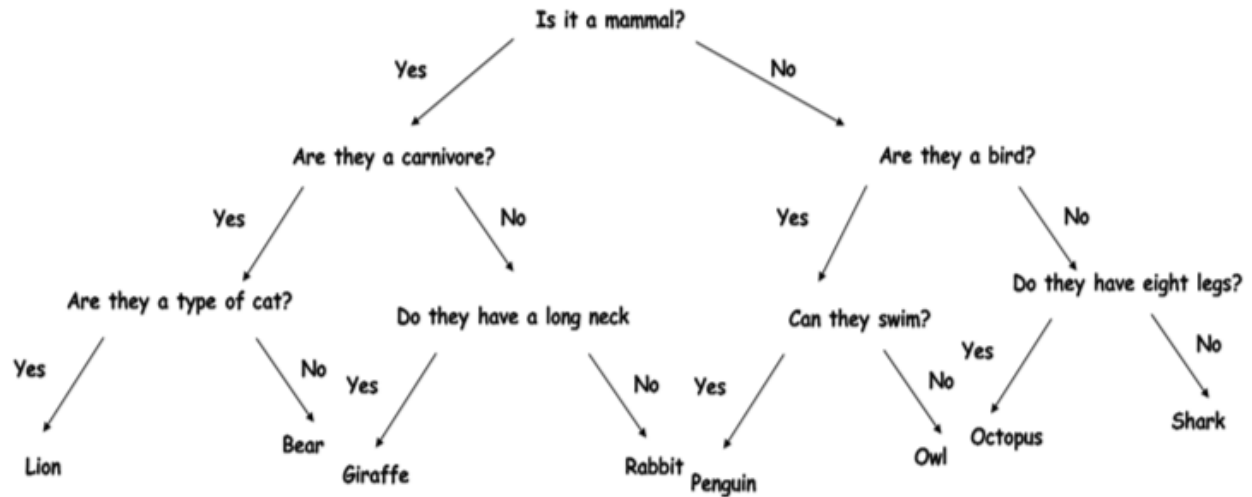
When classifying animals, they don't need to all be individuals but they do need to be separated into smaller groups that focus on their similarities.



WC 08.06.2020

Science - Living Things and Their Habitats

Here's another example:



## TASK

Create a classification system using these animals. Remember to use a ruler.



- What will be your starting question? Remember it should respond to a yes/no question. (Does it have 4 legs? Is it a mammal? Does it live on land? etc.)
- How are the animals similar, yet different?

WC 08.06.2020

Science - Living Things and Their Habitats

- Use the classification examples to help you when drawing out your classification key.

### Challenge

- Create a classification system for other types of living things (example: types of plants, types of butterflies etc.)
- Read about animals on the National Geographic website:  
<https://www.nationalgeographic.com/animals/facts-pictures/>
- Watch classification of animals on Youtube: <https://www.youtube.com/watch?v=ITrRMiQB8g4>
- Write any new learnt information in the KWL chart

### Green Pen

How have you classified the different animals you have been given? Justify your reasoning.

I have grouped the different animals by.....