

Topic - Animals and Living Things

Task 1 - Classification (Science)

Visit the BBC bitesize website about the classification of animals. Read the information, watch the short video clips and test yourself using the quiz.

<https://www.bbc.co.uk/bitesize/topics/zxfrwmn/articles/zfvmxyc>

Then, see if you can complete this table. How many different animals can you add to this table?

	Mammal Usually have hair or fur, give birth to live young, mammals that live on land have 4 legs (except humans) they are warm blooded
	Bird they have feathers and wings, they have 2 legs, they lay eggs, they are warm blooded
	Reptile they have scales, not fur, they have dry skin, they have 4 legs or no legs, they are cold blooded
	Insect they are very small, they sometimes have wings, they have more than 4 legs, they can have a body that is in 3 parts!

Task 2 - Vertebrate and Invertebrate (Science)

Visit the BBC bitesize website

1. What is a vertebrate?

<https://www.bbc.co.uk/bitesize/topics/zxfrwmn/articles/znmxyx>

2. What is an invertebrate?

<https://www.bbc.co.uk/bitesize/topics/zxfrwmn/articles/zvcprnd>

Read the information, watch the short video clips and test yourself using the quiz. Then, complete this table...

Vertebrate	Invertebrate

 oyster	 shark	 horse	 octopus
 penguin	 butterfly	 frog	 starfish
 duck	 snake	 cat	 crab
 sea urchin	 tiger	 spider	 scorpion
 shrimp	 sea turtle	 earthworm	 jellyfish

Extra for Experts ...
Where would you go in
the table and why?

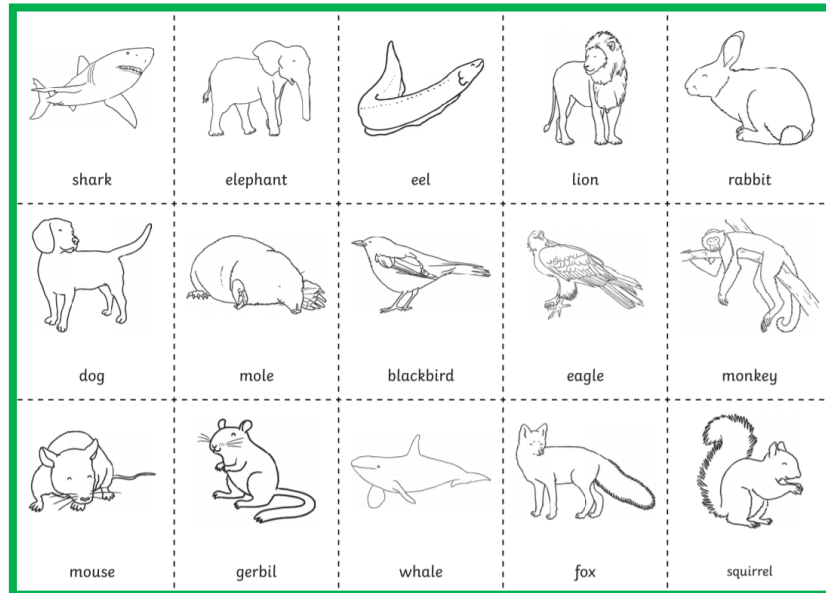
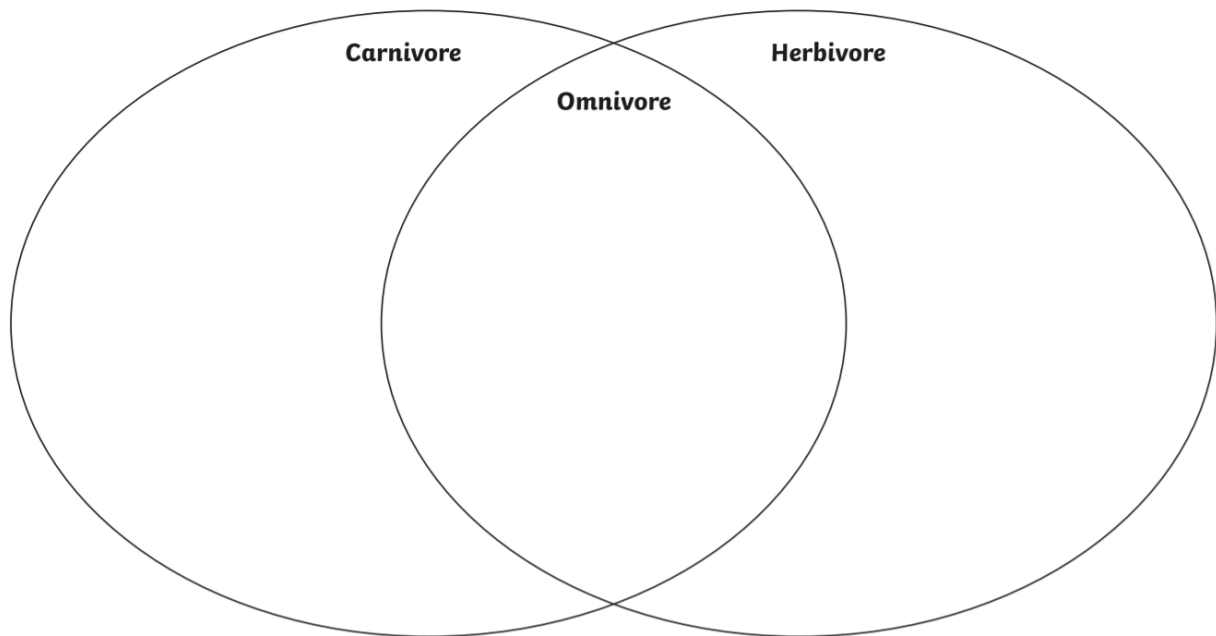
Task 3 - Food, Glorious Food! (Science)

<https://www.bbc.co.uk/bitesize/topics/zxfrwmn/articles/zn3gwtv>

<https://www.bbc.co.uk/bitesize/topics/zxfrwmn/articles/zjfvkmn>

<https://www.bbc.co.uk/bitesize/topics/zxfrwmn/articles/z4w3bdm>

Visit the BBC bitesize website. Watch the videos and test yourself using the quizzes. Can you complete the Venn diagram?



Amazing Fact

In the wild, giraffes eat up to 34kg of foliage every day and spend 16-20 hours a day eating.

You could also try to find out:

- what weighs the same as 34kg?
- which other animals eat a lot of food every day;
- how much you eat in a day (make a food diary or take pictures of your diet for one day).

Task 4 - Plants

<https://www.bbc.co.uk/bitesize/topics/zy66fg8>

Visit the BBC bitesize website. Watch the videos and test yourself using the quizzes. Can you complete this worksheet?

Figs contain digested fig wasps, which crawl inside as part of the pollination process and can't get back out.

Challenge

Match up the words and their meanings.

petals

releases pollen which brushes onto insects when they land on a flower

leaves

absorb water and minerals from the soil

stem

attract insects and birds to the plant

roots

make food for the plant from CO₂ and sunlight

anther

transports water around the plant

You could also try to find out:

- about the unusual life cycle of the fig wasp and how figs depend on them;
- about other extraordinary life cycles;
- what pollination is;
- methods used by other plants for pollination.



Task 5 - Vincent Van Gogh (Art)

Sunflowers

This painting called 'Sunflowers' was painted by Van Gogh in the late 1880s in the Netherlands. He used oil paint on canvas to create it. It measures 71cm in width and 92cm in height. This is one of the sunflower paintings Van Gogh created as part of a series. He painted this one for his friend Paul Gauguin who was coming to visit him. Nowadays, they are some of his most famous works but when he was alive they were never sold.

Take a look at the following labels. Link them to the correct part of the painting using the clues given. Draw a line from each one to the relevant part of the painting.

The artist used a definite outline to make the shape of the vase.

There are ridges of paint left behind by the brush Van Gogh used.

Van Gogh signed his name on the vase.



The artist used a pale grey-blue background to offset the vivid yellow flowers in the vase.

Some flowers are starting to wither and are drooping over.

Van Gogh used a method called impasto. This is where he applied thick layers of paint which left many bumps on the painting's surface.

Create your own version of this piece of artwork. You could try to copy Van Gogh's painting or you could draw/paint some flowers in your garden or perhaps some that are in your house? You could also use the internet to find a photograph of some flowers and use this to inspire you!