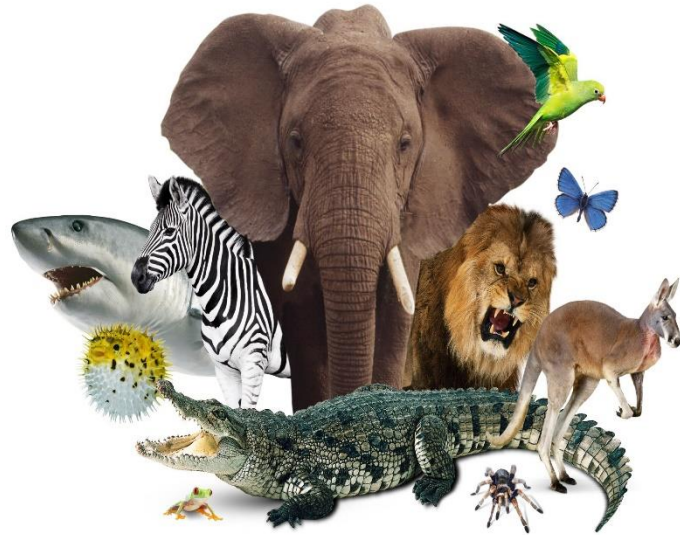




Hillborough Infant and Nursery School

# Year 2 Animals including Humans Knowledge Organiser

## What you should already know...



Animals are living things which need food and water to live.

Animals can be split into different groups – mammals, reptiles, birds, fish and amphibians. They have different structures to fit their needs.

Some animals are carnivores (meat eaters), some are herbivores (eat plants) & some are omnivores (eat both).

Animals use their senses to experience the world around them.

## Reproduction



All animals reproduce. This means that they have offspring (e.g. humans have babies).

For example, mammals give birth to live young, whilst fish lay eggs.

All of these offspring must receive the basic needs of animals (below on the left) to grow into adults.

When they are fully grown, they can also reproduce. And so, life goes on!



## Basic Needs of Animals

### Water



Animals need water to make sure that they stay hydrated.

Many animals drink water to survive. Other animals (e.g. fish) live in the water.

Some animals get their oxygen from the water. Humans are made up of 70% water.

### Food



Animals use food to get the energy & nutrients that they need.

Animals eat plants (herbivores), other animals (carnivores), or both (omnivores).

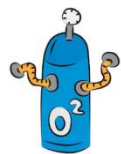
### Shelter



Shelter provides safety from weather/predators and basic things that an animal needs to survive.

Burrows, nests and dens are some examples.

### Oxygen



All animals (including humans) need oxygen to live.

Oxygen exists in the air, in the soil, and even in the water. Fish breathe oxygen through gills.

### Temperature



Sunlight and heat are vitally important to all animals. This gives animals the energy that they need.

Some animals need more heat than others.

## Staying Healthy

### Exercise



Humans (and many other animals) need to exercise. It builds our muscles and helps to pump blood around our body. Regular exercise makes us stronger and faster.

Exercise also helps to keep our weight down. When we are too heavy and have too much fat, it is much harder to move, and puts a strain on our bodies.

### Eating a Balanced Diet

It is also important that humans eat a balanced diet with all of the right nutrients – this helps us to grow bigger, stronger and healthier!

Eating a balanced diet includes having fruit & vegetables, starchy foods such as breads and pastas, meats and fish (and other alternatives) and foods containing fats.



### Hygiene



It is important to be hygienic. This includes regularly washing our hair and bodies, washing hands before eating and brushing our teeth.

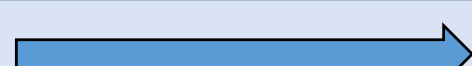
Being hygienic stops the spread of germs, which can cause diseases.

## Animal Life Stages

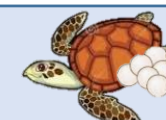
Birth



Growth



Reproduction



Death