

### Crofton Junior School – Curriculum Knowledge Organiser

<b>Unit of Work</b>	Science – Biology – Year 4
<b>Key Strand</b>	Investigate living things (and their habitats)
<b>Overview of the Unit of Work</b>	This concept involves becoming familiar with a wider range of living things, including insects and understanding life processes.
<b>Prior Learning &amp; Vocabulary</b>	Year 2 (living things): living, dead, move, grow, feed, offspring, habitats (pond, woodland, meadow, ocean, forest, seashore), micro-habitat, damp/wet/dry, dark/light, hot/warm/cold/cool, suited/suitable, basic needs, depend, food, shelter

**Sticky Knowledge**

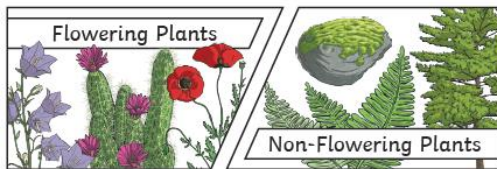
To stay alive and healthy, all living things need certain conditions that let them carry out the seven life processes: Movement, Respiration, Sensitivity, Growth, Reproduction, Excretion and Nutrition. Plants and animals rely on the environment to give them everything they need. Therefore, when habitats change, it can be very dangerous to the plants and animals that live there. Changes to an environment can be natural or caused by humans. Changes to an environment can have positive as well as negative effects.

Here are some examples of things that can change an environment.

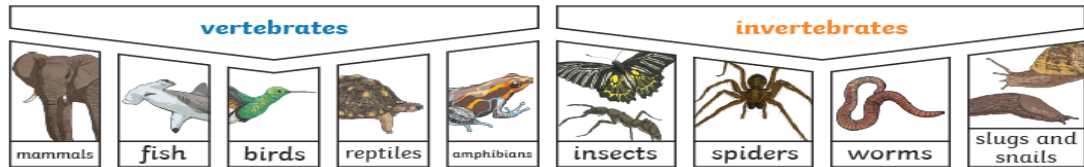
natural: earthquakes, storms, floods, droughts, wildfires and the seasons.

human: deforestation, pollution, urbanisation, the introduction of new animals or plant species and creating new nature reserves

Plants can be sorted into many different groups. For example:



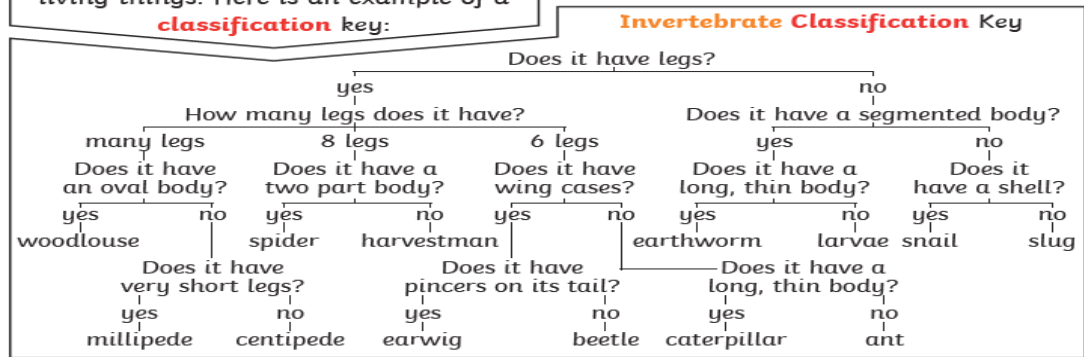
Animals can be grouped in lots of different ways based upon their **characteristics**.



**Vertebrates** can be separated into five broad groups.

You can use **classification** keys to help group, identify and name a variety of living things. Here is an example of a **classification** key:

You could sort **invertebrates** you might see around school in different ways, such as in this example. The vast majority of living things on the planet are **invertebrates**.



**New Vocabulary**

classification keys, environment, fish, amphibians, reptiles, birds, mammals, insect, vertebrates, invertebrates, human impact,

**Post Learning**

Year 5: Living things  
Year 6: Living things