

# Darlinghurst Academy Year 6: Spring 1 - Why do some creatures no longer exist?

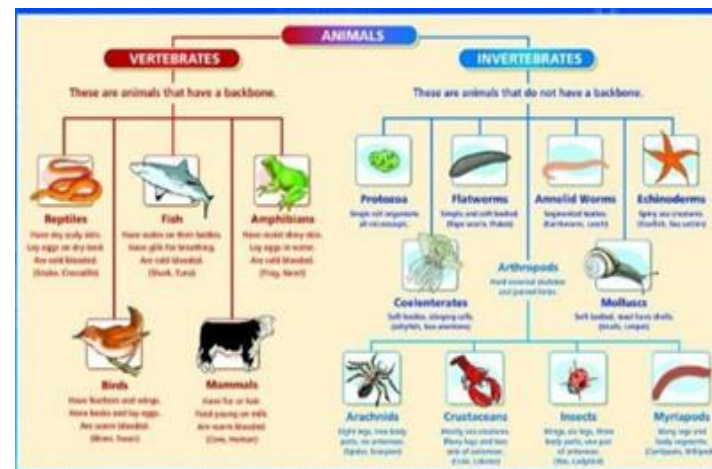
## Vocabulary

<b>Evolution</b>	Gradual change in an organism's characteristics over many generations
<b>Inheritance</b>	Passing on characteristics to offspring
<b>Characteristics</b>	A feature or quality belonging to a person or animal
<b>Offspring</b>	The young of an animal or the seedling of a plant
<b>Variation</b>	A change or slight difference
<b>Genes</b>	Part of a cell of a living thing which controls its physical characteristics
<b>Natural selection</b>	Process where organisms that are better adapted to their environment survive and produce more offspring
<b>Adaptation</b>	Changing to become better suited to their environment
<b>Habitat</b>	where a collection of plants and animals live – food and shelter

## The Process of Evolution

1. More organisms are born than can survive.
2. These individuals all have slight variations between them
3. Some of these variations are helpful and improve an organism's chance of survival.
4. Those that survive pass their characteristics onto their offspring.
5. Over time these helpful variations are passed on to the next generation.
6. This process takes thousands of years and can't be seen from one generation to the next.

## Classification on animals



## Natural Selection

- Population of things that make copies
- Copying not perfect
- Copying errors leads to differences in ability to survive

## Charles Darwin

Dates: 1809-1882

Famous Book: Origin of Species

Famous achievement: Developed the theory of evolution which attempts to explain why there are different species of animals

Famous Voyage: HMS Beagle (1831-1836) Visited the Galapagos Islands

## Darwin's journey on the HMS Beagle

