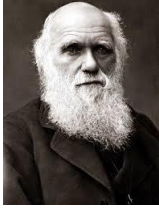



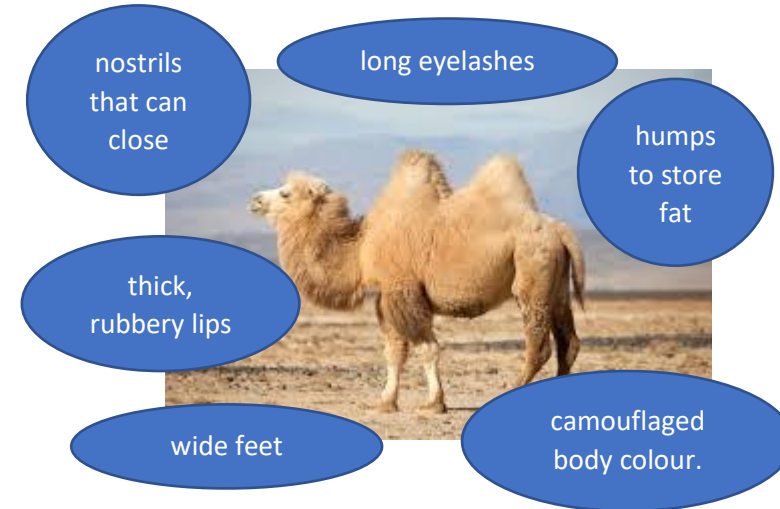
Evolution and Inheritance

Key vocabulary	
evolution	The way in which plants and animals have changed over millions of years.
offspring	A person's child/children or an animal's young.
inherited	The way a trait or characteristic is passed to offspring from parents.
characteristics	A distinguishing trait, feature or quality.
variation	A change or small difference.
adapted	Animals and plants are adapted to their environment. Their bodies are suited to the way they live.
environment	The conditions in which a living thing exists.
Natural selection	The process through which populations of living organisms adapt and change.
species	A group of closely related organisms that are very similar to each other. We are the human species.
fossil	The naturally preserved remains or traces of animals or plants that lived long ago.

Significant scientists	
Charles Darwin (1809-1882) 	Charles Robert Darwin was born in Shrewsbury and was an English naturalist and biologist. He changed the way people looked at living things through his Theory of Evolution.
Alfred Wallace (1823-1913) 	Alfred Russel Wallace was an explorer, naturalist and anthropologist. He also proposed the theory of natural selection and worked around the world to prove his theory.

Adaptation

Plants and animals have characteristics that make them suited to their environment. E.g. camel:



Fossils give us evidence of what lived on the Earth millions of years ago.

By studying fossils, scientists can put together how a plant or animal looked. They can identify what the animal ate, where it lived and how it died.



Living things produce offspring of the same kind. The offspring are not normally identical to their parents and vary from each other.