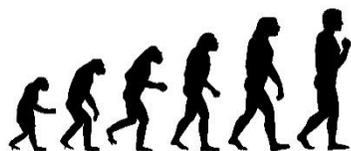


Subject Specific Vocabulary

Offspring	The young of a living thing.
Sexual reproduction	Involves two parents where the sperm from the male fertilises the female egg.
Vary	Characteristics may vary when they become different from things of the same class.
Characteristics	Features or qualities belonging typically to a specific living thing.
Suited	Something being right or appropriate for a particular person, purpose or situation.
Adapted	Living things are adapted to their habitats. This means that they have special features to help them to survive and become better suited to their environment.
Environment	The surroundings and conditions in which living things survive.
Inherited	When something is passed on to the next generation. Characteristics of a child are inherited from their parents.
Species	A group of similar living things.
Fossils	Fossils are the remains or traces of plants and animals that lived long ago.



Sticky Knowledge

All living things have offspring of the same kind, as features in the offspring are inherited from the parents.

Due to sexual reproduction, the offspring are not identical to their parents and vary from each other.

Plants and animals have characteristics that make them suited (adapted) to their environment.

If the environment changes rapidly, some variations of a species may not suit the new environment and will die.

If the environment changes slowly, animals and plants with variations that are best suited survive in greater numbers to reproduce and pass their characteristics on to their young.

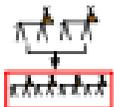
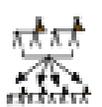
Over time, these inherited characteristics become more dominant within the population.

Over a very long period of time, these characteristics may be so different to how they were originally that a new species is created. This is evolution.

Fossils give us evidence of what lived on the Earth millions of year ago and provide evidence to support the theory of evolution.

More recently, scientists such as Darwin and Wallace observed how living things adapt to different environments to become distinct varieties with their own characteristics.

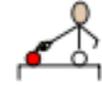
Subject Specific Vocabulary

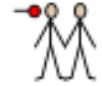
 Offspring	 Sexual reproduction
 Vary	 Characteristics
 Suited	 Adapted
 Environment	 Inherited
 Species	 Fossils

Sticky Knowledge

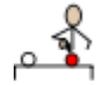
 +  have  characteristics  that  make  them  suited  to  their environment.

 If the environment  changes  quickly,  some  species  may  not  suit  it  and die.

 If the environment  changes  slowly,  animals  and  plants  with  variations  that  are best.

 suited  to survive  pass  characteristics  to  their  young.

 These  characteristics  may  be  different  to  how  they  were  first,  and  a  new  species  is  created.

 This  is  evolution.