

Year 6 Evolution and Inheritance Knowledge Organiser

Science Vocabulary Dozen

Inherit	To gain a quality or characteristic genetically from parents or ancestors.
Offspring	A parent's child/children or animals young.
Environment	The surroundings or conditions in which a person, animal, or plant lives.
Adapt	Become adjusted to new conditions.
Evolution	The process by which different kinds of living organism are believed to have developed from earlier forms during the history of the earth.
Genetics	Properties or features of a living thing.
Inherited characteristics	Something you genetically receive from your parents, grandparents or other family members. Some things are inherited genetically such as: blue eyes, freckles, tongue rolling and chin cleft.
Dominant gene	Being or produced by a form of a gene that prevents or hides the effect of another form. For example, a dominant gene produces brown eye colour.
Recessive gene	A gene that can be masked by a dominant gene. In order to have a trait that is expressed by a recessive gene, such as blue eyes, you must get the gene for blue eyes from both parents.
Reproduction/ Breeding	The mating and production of offspring by animals.
Variation	A change or slight difference.
Survive	To continue to live or exist.

Identical-Similar in every way

Twins can be identical or non-identical (fraternal).



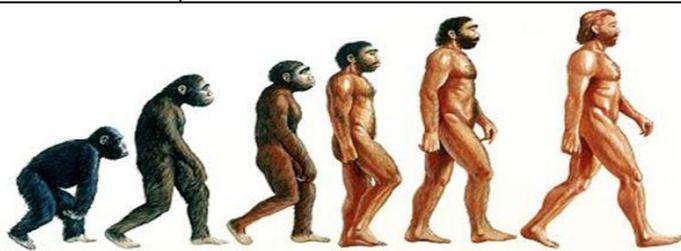
A **fossil** is the remains or impression of a prehistoric plant or animal embedded in rock and preserved.

Fossils can provide information about living things that inhabited the earth millions of years ago.



Fossil hunter.

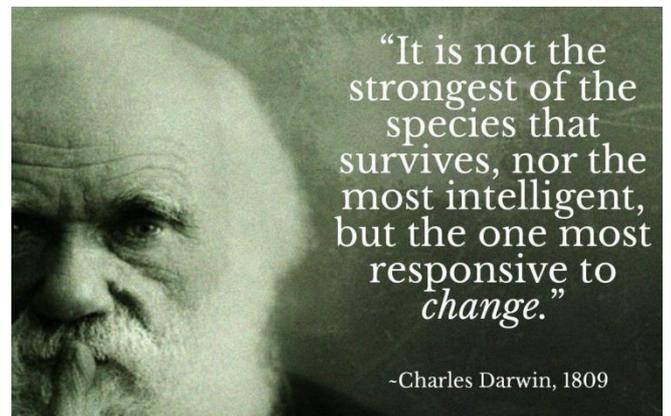
Mary Anning- British palaeontologist and fossil collector. Known for her discovery of the first complete Plesiosaurus.



Key Theorist- Charles Darwin

A biologist whose work is best known in evolution. His book 'The origin of species' published in 1859 introduces the theory that populations evolve over the course of generations through natural selection.

Natural selection- individuals best adapted to their environments are more likely to survive and reproduce.



-Charles Darwin, 1809

