



offspring	The child or young of a particular animal (including humans), or plant
sexual reproduction	Two parents are needed to make offspring which are similar to but not identical to either parent.
vary	Not the same, differ from, not identical.
characteristics	Features that distinguish one animal, plant or group from another.
suited	Right or appropriate for an environment .
adapted	Over time, living things change to become more suited to their environment .
environment	The surroundings or conditions in which a human, animal, or plant lives.
inherited	Inheritance is the process by which characteristics are passed on from parent to offspring .
species	A group of organisms that can reproduce with one another in nature and produce fertile offspring
fossils	The preserved remains or impression of plants and animals whose bodies were buried in sediments,

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



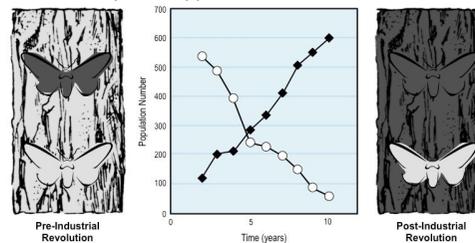
All living things have offspring of the same kind. Features in the offspring are inherited from the parents. Due to sexual reproduction, the offspring are not identical to their parents



Selective breeding

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

Evolution of the Peppered Moth in a Polluted Environ-



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.

Darwin and Wallace observed how living things adapt to different environments to become distinct varieties with their own characteristics.

