

Chapter 2 Reproduction and Survival

Lesson 1 Reproduction

1. Sexual reproduction – the production of a new organism from two parents
2. Fertilization – a male sperm cell and a female egg cell join together
3. Asexual reproduction – the production of a new organism from a single parent
4. Budding – a form of asexual reproduction where a small part of the parent's body grows into a tiny and complete version of the parent
5. Vegetative propagation – a form of asexual reproduction in plants that produces new plants from leaves, roots, or stems.
6. Fruiting body – fungal structures that produce spores. Spores grow into new fungi.

Lesson 2 Adaptation and Survival

1. Adaptation – any characteristic that helps an organism survive in its environment
2. Camouflage – any coloring, shape, or pattern that allows an organism to blend in with its environment
3. Protective coloration – a type of camouflage in which the color of an animal helps it blend in with its background (arctic fox)
4. Protective resemblance – matching the color, shape, and texture of an environment (Walking stick)
5. Mimicry – an adaptation in which an animal resembles an unpleasant animal (milk snake)

Lesson 3 Change over Time

1. Variation – differences among members of the same species
2. Natural selection – Darwin's theory that an organism with favorable variations is well suited to its environment and will survive and reproduce. (Survival of the fittest)
3. Extinct species – a species that no longer exists anywhere on Earth
4. Fossil – any remains, traces, or imprints of organisms that lived long ago
5. Era – a long stretch of time measured by the kinds of life that were dominant at that time.

Other very important words to know:

1. Runner – plant stems that lie on or under the ground and sprout up as new plants. (asexual reproduction)
2. Structural adaptation – an adjustment to internal or external physical structures. Examples: fur color, strong jaws, ability to run fast
3. Behavioral adaptation – an organism's behavior. Examples: hunting in packs or migrating