

Adapting to the World

LS-3. Explain how variations in structure, behavior or physiology allow some organisms to enhance their reproductive success and survival in a particular environment.

LS-4. Explain that diversity of species is developed through gradual processes over many generations (e.g., fossil record).

Before Viewing: In the space to the left of each statement, place a check mark (✓) if you agree or think the statement is true.

During or After Viewing: Add new check marks or cross through those about which you have changed your mind.

- _____ 1. Unicellular organisms are made up of many cells.

- _____ 2. Unicellular organisms are thought to be the oldest form of life on earth.

- _____ 3. Scientists never rely on fossils to determine how organisms change or evolve over time.

- _____ 4. Insects use the ability to make sounds to increase their reproductive success.

- _____ 5. Third world dogs have developed variations in structure through artificial selection or selective breeding to enhance their chance for survival in a particular environment.

- _____ 6. Wolves increase their chances for survival by the behavior of traveling alone.

- _____ 7. Modification of teeth structure through generations enabled domestic dogs to increase their chances for survival in various environments by allowing them to eat vegetables and fruits as well as meats.

- _____ 8. The many breeds of dogs that exist today are not descendants of the wolf.

- _____ 9. Sexual reproduction in the form of selective breeding can produce new traits that might make a dog more adaptable to a certain environment.

- _____ 10. Selective breeding is the same as natural selection.