

## Evolution Pre-test/Post-Test Key

1. MRSA is classified as what kind of living thing?
  - a. An animal
  - b. A plant
  - c. A fungus
  - d. A bacterium**
  
2. What is the definition of an adaptation?
  - a. A change in an organism genetic make-up
  - b. A characteristic that helps an organism survive**
  - c. A process where entire populations change over time
  - d. A process where the environment controls the frequency of certain traits appearing in a population
  
3. What is the definition of evolution?
  - a. A change in an organism genetic make-up
  - b. A characteristic that helps an organism survive
  - c. A process where populations change over time**
  - d. A process where the environment controls the frequency of certain traits appearing in a population
  
4. What is the definition of natural selection?
  - a. A change in an organism genetic make-up
  - b. A characteristic that helps an organism survive
  - c. A process where populations change over time
  - d. A process where the environment controls the frequency of certain traits appearing in a population**
  
5. What is the definition of a mutation?
  - a. A change in an organism genetic make-up**
  - b. A characteristic that helps an organism survive
  - c. A process where populations change over time
  - d. A process where the environment controls the frequency of certain traits appearing in a population
  
6. At what ecological level does evolution occur?
  - a. Community
  - b. Individual
  - c. Population**
  - d. Biome

**Appendix F:** Pre/Post-Test Key

7. All mutations lead to the expression of new physical characteristics.
  - a. True
  - b. False**
8. Organisms can develop adaptations during their lifetime and pass on these traits to their offspring.
  - a. True
  - b. False**
9. Extensive amounts of research must be submitted to support scientific theories.
  - a. True**
  - b. False
10. Which of the following scenarios is an example of evolution?
  - a. Baby ducks following their mother around and mimicking her behaviors to improve their ability to survive; the offspring continue to perform those behaviors during their lifetime.
  - b. A population of birds begin developing shorter beaks over time due to the lack of available resources on the island which they live; the environment selected against larger beaks.**
  - c. A dog is learning to associate being fed with the ringing of a bell; the dog continues to exhibit this behavior as long as it is enforced.