**Evolution Pre-test/Post-Test Key**

1. MRSA is classified as what kind of living thing?
   1. An animal
   2. A plant
   3. A fungus
   4. **A bacterium**
2. What is the definition of an adaptation?
   1. A change in an organism genetic make-up
   2. **A characteristic that helps an organism survive**
   3. A process where entire populations change over time
   4. A process where the environment controls the frequency of certain traits appearing in a population
3. What is the definition of evolution?
   1. A change in an organism genetic make-up
   2. A characteristic that helps an organism survive
   3. **A process where populations change over time**
   4. A process where the environment controls the frequency of certain traits appearing in a population
4. What is the definition of natural selection?
   1. A change in an organism genetic make-up
   2. A characteristic that helps an organism survive
   3. A process where populations change over time
   4. **A process where the environment controls the frequency of certain traits appearing in a population**
5. What is the definition of a mutation?
   1. **A change in an organism genetic make-up**
   2. A characteristic that helps an organism survive
   3. A process where populations change over time
   4. A process where the environment controls the frequency of certain traits appearing in a population
6. At what ecological level does evolution occur?
   1. Community
   2. Individual
   3. **Population**
   4. Biome
7. All mutations lead to the expression of new physical characteristics.
   1. True
   2. **False**
8. Organisms can develop adaptations during their lifetime and pass on these traits on to their offspring.
   1. True
   2. **False**
9. Extensive amounts of research must be submitted to support scientific theories.
   1. **True**
   2. False
10. Which of the following scenarios is an example of evolution?
    1. Baby ducks following their mother around and mimicking her behaviors in order to improve their ability to survive; the offspring continue to perform those behaviors during their lifetime.
    2. **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.**
    3. 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.