**Review Sheet for How Evolution Works**

1. Can individuals evolve? Why or why not?

2. What is a gene pool? What is an allele frequency?

3. What is genetic equilibrium? Does evolution occur when a population reaches genetic equilibrium?

4. What are the three mechanisms evolution works by?

5. What is genetic drift? What sized populations are affected by genetic drift?

6. What is gene flow?

7. What is the difference between convergent and divergent evolution? Give an example of each.

8. What is speciation? How does it occur?

9. What is one way that speciation can happen?

10. We know that a changing environment is necessary for evolution to occur. Can humans affect natural selection? Provide an example.

11. What are two ways that disease agents can affect natural selection?

12. What is acquired immunity?

13. How long does it take to acquire immunity? What are the two types of acquired immunity?

14. What is passive immunity? What are the two types of passive immunity? Give an example of each type of passive immunity.

15. What is active immunity? How can active immunity be artificially induced?