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**EOC Review #4 – Evolution**

**Write answers on a separate sheet of paper or on the back. Use Chapters 14-17.**

1. What modern-day organisms were the first forms of life thought to be similar to?

2. What types of evidence support the scientific theory of evolution?

3. Why is it not sufficient to look at the outward appearance of organisms and classify them as closely related?

4. What conditions are required for natural selection to occur?

5. How does natural selection occur? Give an example.

6. What is gene flow and how can it lead to the evolution of a population?

7. What is genetic drift and how can it lead to the evolution of a population?

8. What is divergent evolution and why might it occur?

9. What is convergent evolution and why might it occur?

10. Throughout hominid evolution, describe how the following characteristics changed:

 a. brain size

 b. jaw size

 c. language

 d. tools

11. How were organisms originally classified into groups?

12. How are organisms classified into groups in the modern classification system?

13. Why are classifications of organisms sometimes changed?

14. What is a phylogenetic tree and how is it organized?

15. How are the three domains of organisms different from one another?

16. List the six kingdoms and the distinguishing characteristics of each.