

Evolution Review Bio K/H

1. What does the fossil record provide?
2. Why are there physical differences between Darwin's finches?
3. What can DNA sequences show you?
4. List the taxons of classification in order from most general to specific.
5. What can lead to the extinction of a species?
6. What should you do if just discovered a new species?
7. What are structural similarities?
8. What did Darwin observe on the Galapagos Islands? What are his conclusions?
9. Darwin's conclusions were not based on.....
10. How are bacteria able to evolve so quickly?
11. What is natural selection? What are the results of natural selection?
12. How is the approximate age of fossils determined?
13. What 3 ideas did Lamarck have about evolution?
14. What is an adaptation?
15. What is fitness?
16. What is survival of the fittest?

17. Name 2 sources of genetic variation.
18. What is a vestigial structure? Give 3 examples.
19. What is reproductive isolation?
20. What is a cladogram?
21. What is coevolution? Give an example.
22. What is convergent evolution?
23. Give an example of convergent evolution.
24. What is adaptive radiation (divergent evolution)?
25. Give an example of adaptive radiation (divergent evolution).
26. How do mass extinctions lead to rapid evolution?
27. How did Eukaryotic cells evolve? Describe the Theory.
28. List 3 domains.
29. Give examples in each domain.
30. What do the kingdoms Protista, Plantae, Fungi, and Animalia have in common?
31. Draw 3 graphs that represent natural selection in a population and EXPLAIN.
32. What biomolecule is inside the capsid of a virus?