

Name _____

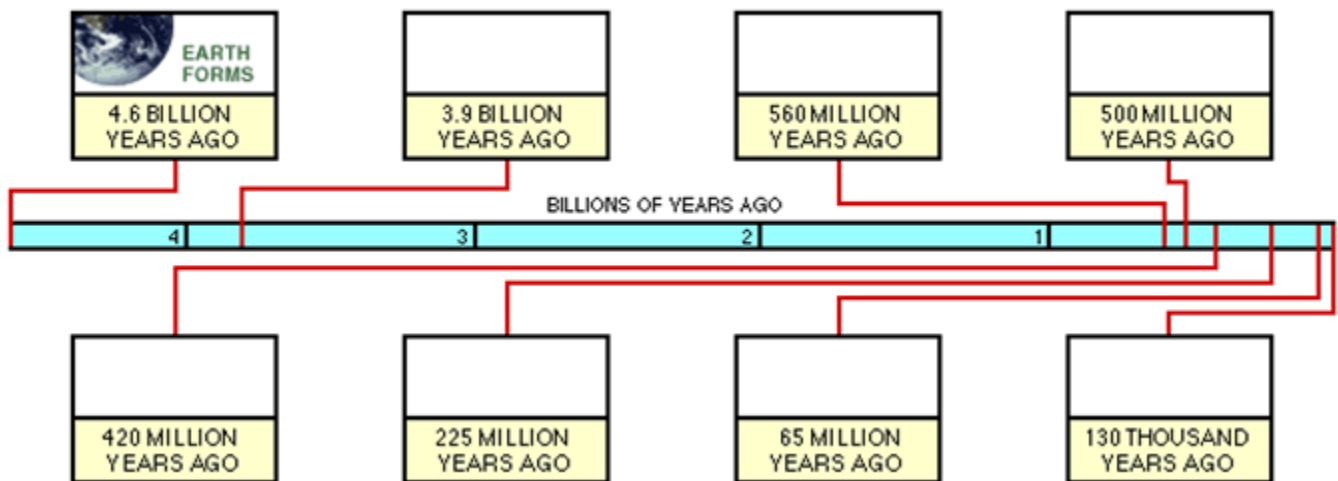
Explorations Through Time -Life has a History

<http://www.ucmp.berkeley.edu/education/explotime.html>

Go to "Life Has a History" ' Level 2

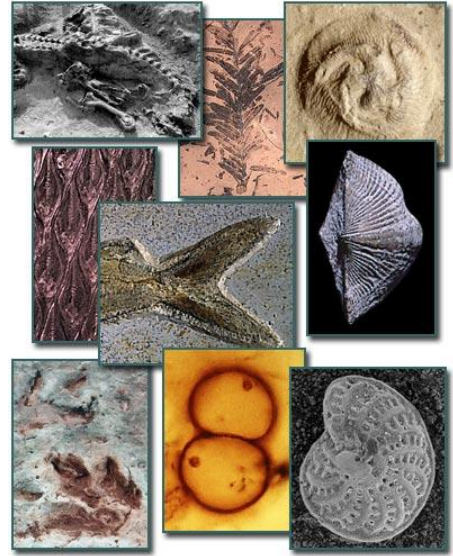
1. How many different species of living things exist today? _____
2. Which group of animals has the largest number of species? _____
3. How many mammal species exist today? _____
4. Number the organisms from 1 (most abundant) to 8 (least abundant)
___ Plants ___ Protists ___ Mammals ___ Molluscs
___ Fungi ___ Roundworms ___ Arthropods ___ Flatworms
5. What is biodiversity (click on the purple links for definitions)

6. 470 Million Years Ago
What was the name of the period? _____
What was the dominant predator? _____
What was the first arthropod? _____
7. 160 Million Years Ago
What was the name of the period? _____
What large marine reptile existed? _____
8. How old is the earth? _____
9. Fill in the blanks of the timeline



10. The best source of evidence for determining events in earth's history is _____
11. What is a paleontologist? _____

12. Identify three fossils from the image. Name them and point to them with an arrow



13. What features are found in therapods

14. What is a cladogram?

15. What is divergence?

16. To which animal are the crane and eagle most closely related? _____ Diagram the cladogram for the crane, eagle, archaeopteryx and deinonychus

17. What other data (besides physical features) do scientists use to find if organisms are related? List 3 things.

18. What birds on the Galapagos islands were adapted to different regions? _____

19. The beaks of the birds vary with what? _____

20. What would happen if the environment changed and only plants with larger, harder seeds survived. How do you think that might affect the population of Geospiza fortis finches?

21. What is geographic isolation? _____

22. Identify the extinct creature. _____



23. Name two animals that have gone extinct since humans have been around.
