

Name _____

Explorations Through Time -Life has a History

<http://www.ucmp.berkeley.edu/education/explotime.html> - **Go to "Life Has a History" - Level 2** OR
<http://www.ucmp.berkeley.edu/education/explorations/tours/intro/Intro5to12/tour1.php>

You must click all links to advance. You will click the seagull to advance to the next screen.

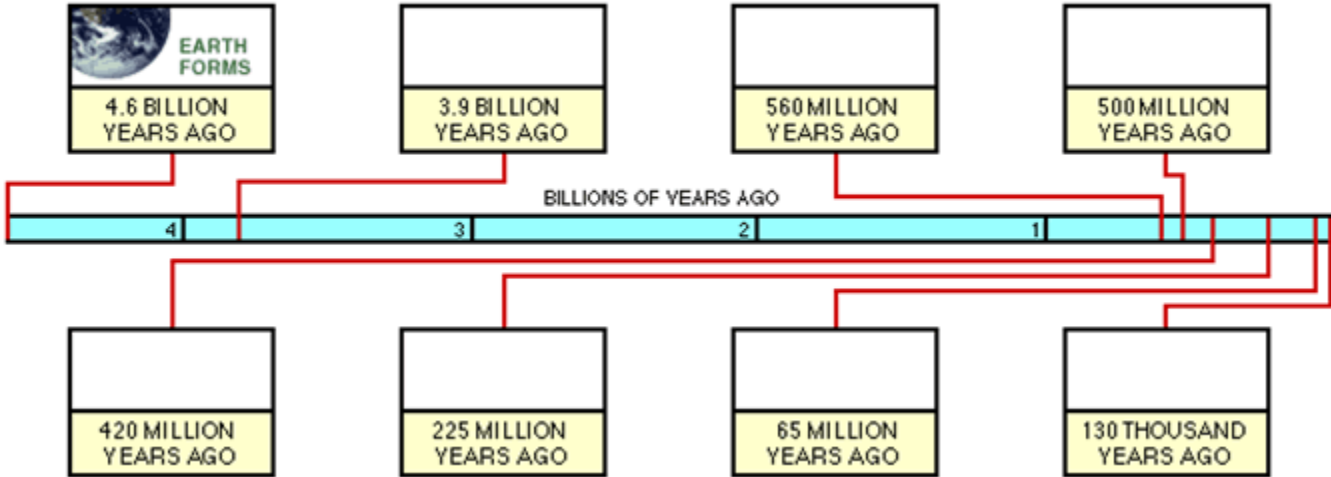
1. How many different species of living things exist today? _____
2. Which group of animals has the largest number of species? _____
3. How many mammal species exist today? _____
4. Number the organisms from 1 (most abundant) to 8 (least abundant)
___ Plants ___ Protists ___ Mammals ___ Molluscs
___ 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? _____

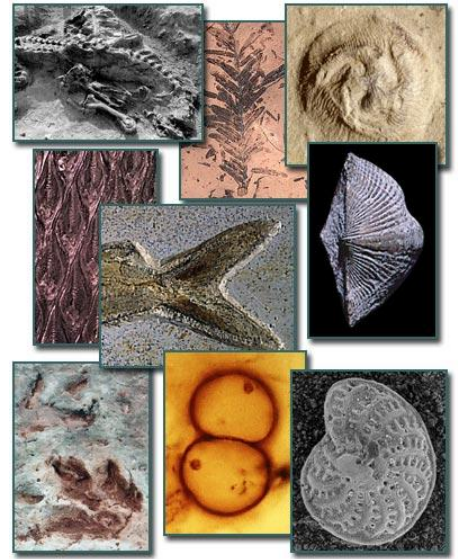
8. How old is the earth? _____

9. Fill in the blanks of the timeline



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

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



14. What features are found in theropods

15. What features are found in birds:

16. What are the features of modern birds:

17. What is a cladogram?

18. What is divergence? _____

19. To which animal are the crane and eagle most closely related? _____

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

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

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

23. 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?

24. What is geographic isolation? _____

25. Identify the extinct creature. _____ Where did they live?



23. Name three animals that have gone extinct since humans have been around AND when they went extinct.
