

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 predatory? _____

What was the first arthropod

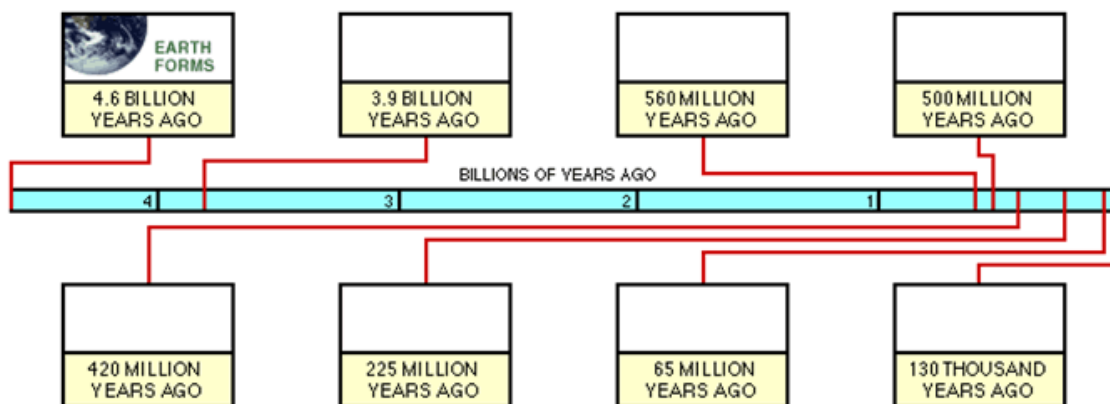
7. 160 Million Years Ago

What was the name of the period? _____

What large marine reptile existed? _____

8. How old is the earth? _____

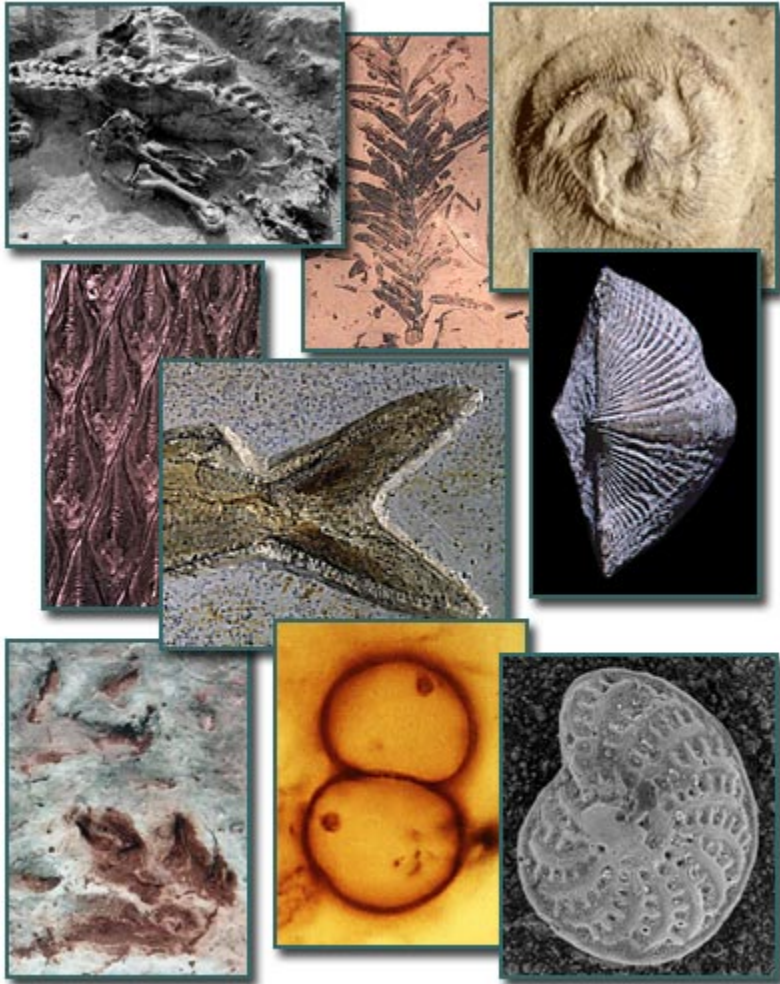
9. Fill in the blanks of the timeline



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?

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.
