

Lesson 7.6 Great Transformations Video

Name

Date

Period

Respond the following questions while watching the video.

1. If Earth's history were an hour, how long would human history be?
2. What are the largest living animals?
3. What is an example of an adaptation for mammals?
4. How is paleogeology different from geology?
5. What gave Gingrich the idea that his fossil was a whale?
6. Gingrich's fossil could be a possible missing link between land mammals and _____.
7. What did the Sahara used to be?
8. Most of the fossils Gingrich found in the Sahara belonged to the basalosaurus. What did these whales have that modern whales do not have?
9. What do scientists now think whales evolved from?
10. A link from an ancestor to modern animals is called a _____.
11. How do fish swim differently from mammals?
12. What is the modern thinking regarding evolution of limbs and movement of fish to land?
13. *Acanthostega* had the first _____ on Earth.
14. Is a fish fin similar to a human hand?
15. How did limbs help organisms to survive?
16. What is the Cambrian explosion?
17. Which modern animals are descendants of trilobites?

18. Why do you think some of these strange animals didn't survive?
19. What do all of the creatures from the Cambrian Explosion have in common?
20. What did Bateson think provided the "fuel for evolution"?
21. By damaging flies' DNA, what did doctors manage to do?
22. When "antennapedia" misfires, what happens?
23. What was proven when scientists replaced a fly eye gene with a mouse eye gene?
24. Evolution does not start from scratch, but works with different _____.
25. If all animals have the same set of genes and the same kind of body plan, where did they come from?
26. When did the turning point for humans seem to occur?
27. Why does Shapiro study lemurs?
28. What animal is the closest living relative to humans?
29. If we didn't evolve from chimps, how are we related to them?
30. What evidence indicates that chimps and humans are closely related?
31. Give two differences between humans and chimps.