

1. The Lincoln Memorial was built out of Indiana limestone. This means that during the period when this limestone was formed, Indiana was
  - a. a desert
  - b. under water
  - c. covered with ice
  
2. What types of fossils would you expect to find in this Indiana limestone?
  - a. crinoids
  - b. ferns
  - c. insects
  - d. none of the above
  - e. all of the above
  
3. The “Cambrian Explosion” refers to
  - a. The apparently sudden evolution of many early life forms
  - b. A devastating explosive volcanic eruption during the Cambrian
  - c. The event that killed the dinosaurs
  
4. What is the age of the earliest evidence of life on Earth? \_\_\_\_\_
  
5. Dinosaur X lived in swamps. How do paleontologists know this?
  - a. Because fossils of Dinosaur X were discovered near a swamp
  - b. Because of the type of rock Dinosaur X fossils were found in
  - c. Because of the density of Dinosaur X’s bones
  - d. Because of the shape of Dinosaur X’s bones
  
6. At the end of which geologic period did approximately 50% of the world’s taxonomic families go extinct, the largest extinction in Earth’s history?
  - a. Cretaceous
  - b. Permian
  - c. Tertiary
  - d. Jurassic

7. Match the common name with the scientific name:

The following is a list (it is not the answer)

Please write answers below:

Scientific Name	Common Name
Angiospermae	worms
Annelida	birds
Aves	flowering plants
Bivalvia	fish
Equus	clams
Ostrea	sponges
Pisces	bears
Porifera	horses
Ursus	oysters

Angiospermae	
Annelida	
Aves	
Bivalvia	
Equus	
Ostrea	
Pisces	
Porifera	
Ursus	

8. Name the 3 main taxonomic orders of corals:

9. For each of the following fossils, identify the GENUS of the fossil and the environment in which it lived: marine, freshwater, or terrestrial:

a.



b.





c.



d.



e.



f.



g.



h.



10.

What is the most likely cause of the hole in this shell?

- a. erosion
- b. it's the way this shell naturally grew
- c. predation

Identify these teeth as those of an herbivore or a carnivore:



11.



12.



13.

14. Identify each of the following as either a brachiopod or a bivalve:



a.



b.



c.



d.



e.



f.



g.

15. Which end of this stratigraphic section was originally on the top?



16. Assuming these strata have not been disturbed by tectonic movement, and assuming trilobites were found in the top stratum, label the strata using the ages found in this list:

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

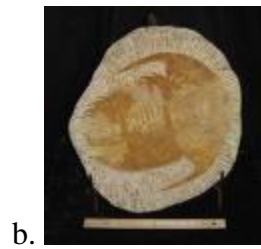
(4 layers)

choices:

- Cambrian
- Cretaceous
- Devonian
- Jurassic
- Permian
- Precambrian
- Quaternary
- Triassic



17. Place the following fossils in chronological order, from oldest to youngest:



18. Place the following fossils in chronological order, from oldest to youngest:



19. Place the following in the order of their FIRST occurrence:

- a. ferns
- b. ginkgo
- c. angiosperms
- d. algae
- e. mammals
- f. amphibians

20. Label the thorax, cephalon, and pygidium on this trilobite:



21. Is this a plant or an animal?



22. Which of the following photos depicts the environment in which the Ediacaran fauna lived?

