What Did You Learn?

1) An index fossil is:

a. the fossil of an organism whose remains only appear in one time period.

b. the fossil of an organism which appeared at the oldest time in geologic history.

c. the fossil of an organism which is now extinct.

d. the fossil of an organism whose remains have been found near the equator.

2) If a fossil of a creature was found surrounded by Turitella and Meekoceras index fossils, what era(s) did that creature live in? (Use the “Fossils in geologic time” sheet.) Circle all correct eras.

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| a. Recent |  |  | d. Cretaceous |  |  |  |  |  |  |
|  |  |  |  |  |  | g. Mississippian |  |  | i. Silurian |
| b. Recent to Miocene |  |  | e. Triassic |  |  |  |  |  |  |
|  |  |  |  |  |  | h. Devonian |  |  | j. Ordovician |
| c. Miocene |  |  | f. Pennsylvanian |  |  |  |  |  |  |

3) If a fossil of a creature was found surrounded by Pentrimites and Muensteroceras index fossils, what era(s) did that creature live in? Use the “Fossils in geologic time” sheet.) Circle all correct eras.

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| a. Recent |  |  | d. Cretaceous |  |  |  |  |  |  |
|  |  |  |  |  |  | g. Mississippian |  |  | i. Silurian |
| b. Recent to Miocene |  |  | e. Triassic |  |  |  |  |  |  |
|  |  |  |  |  |  | h. Devonian |  |  | j. Ordovician |
| c. Miocene |  |  | f. Pennsylvanian |  |  |  |  |  |  |

4) The age of a Pecten fossil relative to a Spirifer fossil is:

a. Older. b. Younger. c. The same.

Extra credit:

What is the relative age of the creature in question 2 to the creature in question 3?

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