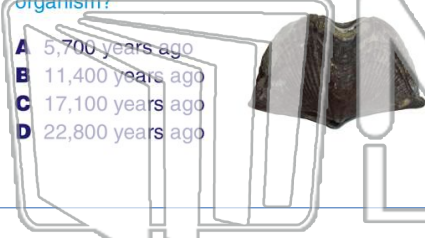




Name _____ Class _____ Date _____

1 A fossil shell contains **25%** of the original amount of its **carbon-14**. Approximately **how many years ago** was this shell part of a living organism?

- A 5,700 years ago
- B 11,400 years ago
- C 17,100 years ago
- D 22,800 years ago



2 Approximately how long ago did the **first dinosaurs** appear on Earth?

- A 66 million years ago
- B 187 million years ago
- C 230 million years ago
- D 374 million years ago



3 **Carbon-14**, an isotope used to **date recent organic remains**, would most likely be useful in determining the age of a fossil

4 Which radioactive isotope is most useful for determining the **age of mastodont bones** found in **late Pleistocene** sediments?



PREVIEW

Please [Sign In](#) or [Sign Up](#) to download the printable version of this worksheet

7 _____ are useful to geologists because the deposits

- A serve as time markers
- B contain index fossils
- C are used for carbon-14 dating
- D show a time gap in the rock record



geologic history?

- A trilobites
- B dinosaurs
- C eurypterids
- D placoderm fish



9 Which rock was **organically formed** and sometimes contains **fossilized plant impressions**?

- A rock gypsum
- B phyllite
- C breccia
- D coal



10 Based on **fossil evidence**, most scientists infer that

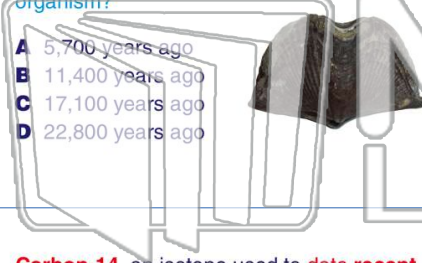
- A life has not changed significantly throughout Earth's history
- B life has evolved from complex to simple forms
- C many organisms that lived on Earth have become extinct
- D mammals developed early in the Precambrian time period



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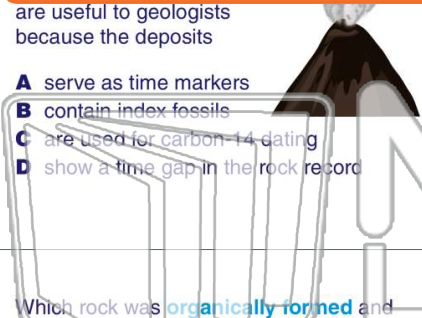


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