



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



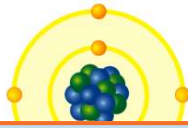
2 Approximately how long ago did the **first dinosaurs** appear on Earth?

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

A trilobite
B *Coelophysis*
C armored fish
D Beluga whale



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

A uranium-238
B carbon-14
C potassium-40
D rubidium-87



PREVIEW

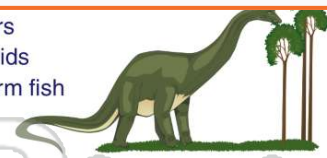
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7

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



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



ANSWER KEY

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(b)

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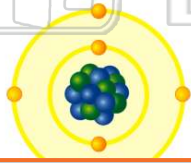
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(c)

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(b)



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