



Name \_\_\_\_\_ Class \_\_\_\_\_ Date \_\_\_\_\_

1 A very large, circular, impact crater under the coast of Mexico is believed to be approximately 65 million years old. This **impact event** is inferred to be related to the

- A appearance of the earliest trilobites
- B advance and retreat of the last continental ice sheet
- C extinction of the dinosaurs
- D formation of Pangea



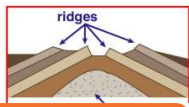
2 Fossil pollen has been recovered from sediments deposited in late-Pleistocene lakes. The pollen's **geologic age** can most accurately be **measured** by using

- A rubidium-87
- B potassium-40
- C oxygen-18
- D carbon-14



3 According to plate tectonic theory, during which geologic time interval did the continents of **North America and Africa separate**, resulting in the initial opening of the Atlantic

4 This cross section shows rock layers that underwent **crustal movement** during an **igneous intrusion** in the Cretaceous Period.



## PREVIEW

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

7 **A** very few life-forms have become extinct  
**B** life-forms existed on land before life-forms existed in water  
**C** more complex life forms probably have evolved from less complex life-forms  
**D** older bedrock contains a great variety of life-forms, while younger bedrock contains less variety of life-forms

**25 grams** of carbon-14. Approximately how many **years ago** was this sample part of a living tree?

- A 2,850 years
- B 5,700 years
- C 11,400 years
- D 17,100 years



9 It is inferred that during the early **Archean Era** the **atmosphere of Earth** contained water vapor, carbon dioxide, nitrogen, and other gases in small amounts. **These gases probably came from**

- A precipitation of groundwater
- B volcanic eruptions
- C evaporation of Paleozoic oceans
- D convection currents in the mantle

10 Geologists have **subdivided geologic time** into **periods** that are based on

- A carbon dating
- B rock types
- C fossil evidence
- D landscape regions





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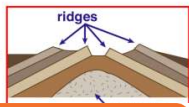
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