



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

1 By what **process** was the fly pictured here **fossilized**?

Circle the answer letter.

- a. petrification
- b. trace fossilization
- c. preservation in hardened tree sap (amber)



6 This is a picture of a **dinosaur footprint**. Geologists call this a **track**. Fossils that preserve the **motion and activities** of ancient organisms are called \_\_\_\_\_.

- a. trace fossils
- b. molds and casts
- c. mummified fossils



2 The **original wood** of these trees is **completely gone**, replaced with mineral material. By what **process** were these trees **fossilized**?

- a. permineralization



7 A brachiopod died and settled into sediment, leaving an **impression**. More sediment **filled in** to create a form that resembles the original shell. What are the **impression and new form** called?



3



## PREVIEW

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4

has existed

- b. uses fossils to approximate the age of rock layers
- c. determines the relative age of one rock compared to another

5 The **absolute age** of rocks is determined by **analyzing** the \_\_\_\_\_ in the rock.

- a. plant fossils
- b. number of metal ions
- c. radioactive isotopes



10 Fossil-rich sedimentary limestone can be metamorphosed into marble. Why is it **rare to find a fossil** of any kind in **metamorphic rock**?

- a. metamorphic rocks are harder
- b. no organism can survive in a metamorphic environment
- c. the heat & pressure of metamorphism physically changes rock





# Fossils - Answer Key

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paleontologist



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