



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

1 For an igneous rock to be classified as **rhyolite**, it must be **light colored**, be **fine grained**, and contain

- A quartz
- B calcite
- C pyroxene
- D olivine



2 Which **process** is necessary for the formation of **igneous rocks**?

- A erosion
- B deposition
- C solidification
- D metamorphism



3 Which type of rock is most likely to contain **fossils**?

- A granite



4 The three statements below are observations of the same rock sample:  
• The rock has **intergrown crystals** from 2 to 3 millimeters in diameter.



## PREVIEW

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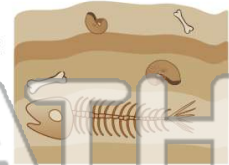
7 **obsidian rock** formed in an **extrusive environment**?

- A layers of rounded fragments
- B distorted bands of large mineral crystals
- C noncrystalline glassy texture
- D mineral cement between grains



with sedimentary bedrock in another area?

- A index fossils
- B cementing agent
- C texture
- D color



9 The absolute age of a rock is the approximate number of years ago that the rock formed. The **absolute age of an igneous rock** can best be determined by

- A comparing the amounts of decayed and undecayed radioactive isotopes in the rock
- B comparing the sizes of the crystals found in the upper and lower parts of the rock
- C examining the rock's relative position in a rock outcrop
- D examining the environment in which the rock is found

10 Compared to felsic igneous rocks, **mafic** igneous rocks contain **greater amounts of**

- A white quartz
- B aluminum
- C pink feldspar
- D iron





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