



Name _____ Class _____ Date _____

1 The photograph below shows actual crystal sizes in a light-colored **igneous rock** that contains several minerals, including **potassium feldspar, quartz, and biotite mica.**

The rock should be identified as

- A granite
- B gabbro
- C basalt
- D rhyolite



2 The image below shows a rock with **deformed structure** and **intergrown crystals.**

The rock was probably formed by

- A sediments that were deposited on the ocean floor
- B heat and pressure that changed a preexisting rock
- C volcanic lava that cooled on Earth's surface
- D a meteor impact on Earth's surface



3 Which rock is **foliated**, shows **mineral alignment** but **not banding**, and contains medium-sized grains of **quartz and pyroxene?**

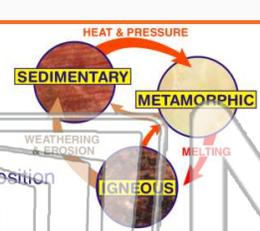
4 Which rock most probably formed directly from **lava cooling quickly at Earth's surface?**

pebbles mica crystals

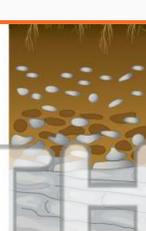


5 **PREVIEW**
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7 **A** texture
B crystal or grain size
C method of formation
D mineral composition



This soil was **formed** primarily by
A erosion by glaciers
B erosion by running water
C capillarity and human activity
D weathering and biological activity



9 Which type of rock most likely contains **fossils?**

- A scoria
- B gabbro
- C schist
- D shale



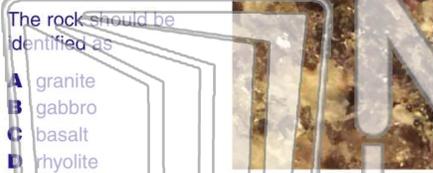
10 Which physical characteristic best describes the rock **phyllite?**

- A glassy texture with gas pockets
- B clastic texture with angular fragments
- C bioclastic texture with cemented shell fragments
- D foliated texture with microscopic mica crystals



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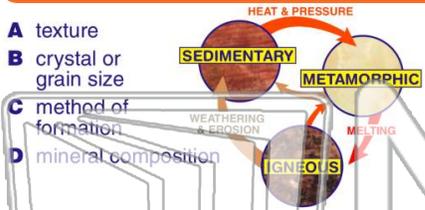
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PREVIEW

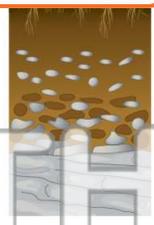
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