



Name _____ Class _____ Date _____

1 The metamorphic rock quartzite forms when sandstone changes under tremendous heat and pressure. Sandstone consists of small grains of quartz. The composition of quartzite is _____.

A the same as the composition of sandstone
 B different than the composition of sandstone, because of metamorphism
 C similar to limestone
 D similar to granite which has quartz, feldspar, and mica

2 The composition of a rock is determined by _____.

A the environment in which it forms
 B the minerals that make up that rock
 C how deep the rock forms in the earth's crust
 D the type of rock it is (igneous, metamorphic, or sedimentary)



3 The texture of a rock is defined by the size and shape of the minerals, grains, and particles in a rock. Here is a picture of the sedimentary rock called conglomerate.

4 The texture of igneous rocks is determined by how quickly the liquid rock cools. The slower the cooling rate, the larger the crystals in the rock. Two igneous rocks can have similar mineral



5

PREVIEW

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7 different locations. Magma is trapped under the earth's crust, but lava _____.

A never escapes the earth's crust
 B has erupted onto the surface of the earth
 C has melted into the inner core
 D never leaves the inner core



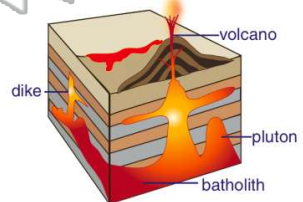
called _____.

A sedimentary rocks
 B metamorphic rocks
 C igneous rocks
 D organic rocks



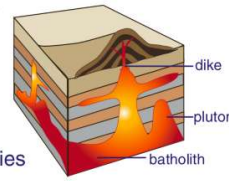
9 Which of the following igneous bodies is an extrusive igneous rock formation?

A batholith
 B pluton
 C dike
 D volcano



10 In this picture are a number of igneous bodies below the earth's surface. Geologists refer to them as _____.

A extrusive bodies
 B intrusive bodies
 C lava bodies
 D metamorphic bodies





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 B the **minerals** that make up that rock
 C how deep the rock forms in the earth's crust
 D the type of rock it is (igneous, metamorphic, or sedimentary)



3 The **texture** of a rock is **defined** by the **size and shape** of the minerals, grains, and particles in a rock. Here is a picture of the sedimentary rock called **conglomerate**.

4 The texture of **igneous** rocks is determined by how **quickly** the **liquid rock** cools. The **slower** the cooling rate, the **larger** the crystals in the rock. Two igneous rocks can have similar mineral



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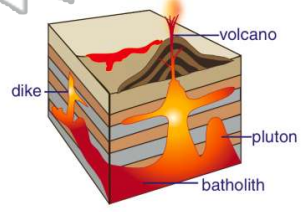
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