1. In the process of metamorphic rock formation, what is recrystallization?

change in particle size

lining up of minerals in a given direction

melting of minerals

change in chemical elements

1. Metamorphism is defined as

compaction and cementation of rock fragments

changing of a rock by heat and/or pressure

crystallization of magma as it cools within Earth

evaporation of seawater and precipitating out of minerals

1. During metamorphism, high temperatures can allow atoms within mineral crystals to migrate, thus leading to a reorganization of crystals in metamorphic rocks.

True/False

1. Which metamorphic rock is made of metamorphosed sandstone?

marble

quartzite

amphibolites

phyllite

1. Which metamorphic rock is characterized by fine-sized grains and by the fact that it breaks easily into plates?

gneiss

schist

slate

metaconglomerate

1. Which metamorphic rock is shown in the image?

marble

phyllite

amphibolites

gneiss

1. How does the foliation of a metamorphic rock relate to the environment in which the rock formed?

Foliation is parallel to the orientation of the force that formed the rock.

Foliation is perpendicular to the orientation of the force that formed the rock.

Foliation is directly proportionate to the temperature that formed the rock.

Foliation is indirectly proportionate to the temperature that formed the rock.

1. Which metamorphic rock is commonly used for making statues?

gneiss

schist

marble

slate

1. A lava flow baking a rock is an example of contact metamorphism.

True/ False

1. Horizontal tectonic movements are responsible for regional metamorphism.

True / False

1. What is the process by which sediments are compacted into sedimentary rocks?

crystallization

lithification

erosion

1. Which of the following rock types can melt within the earth and later cool into an igneous rock?

sedimentary only

sedimentary and metamorphic only

sedimentary, metamorphic, or igneous

1. Which of Earth's systems drive the rock cycle?

tectonic system

hydrologic system

both of the above

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