

Quick Vocabulary

Lesson 1

deposit sediment or rock added to a landform

grain fragment that makes up a rock

lava molten rock that erupts on Earth's surface

magma molten or liquid rock underground

mineral naturally occurring, inorganic solid with a definite chemical composition and an orderly arrangement of atoms

rock natural, solid mixture of minerals or particles

rock cycle series of processes that change one type of rock into another type of rock

sediment rock material that is broken down into smaller pieces or dissolved in water as rocks erode

texture grain size and the way grains fit together in a rock

Lesson 2

extrusive rock igneous rock that cools and crystallizes on Earth's surface

intrusive rock igneous rock that forms as magma cools underground

volcanic glass rock that forms when lava cools too quickly to form crystals

Quick Vocabulary

Lesson 3

biochemical rock sedimentary rock that was formed by organisms or contains the remains of organisms

cementation crystallization of minerals from water into the spaces between sediment grains

chemical rock made of minerals that crystallize directly from water

clast broken piece or fragment of rock

clastic rock sedimentary rock made of clasts of minerals or rock fragments

compaction process that squeezes out fluids and decreases the space between the grains in a sediment deposit

Lesson 4

contact metamorphism occurs when magma comes in contact with existing rock and its thermal energy and gases interact with the surrounding rock to make new metamorphic rock

expose to appear visible

foliated rock contains parallel layers of flat and elongated minerals

metamorphism process that affects structure or composition of rocks in the solid state; occurs due to changes in heat, pressure, or the addition of chemical fluids

nonfoliated rock has mineral grains with a random interlocking texture

plastic deformation permanent change in rock shape caused by bending and folding

regional metamorphism formation of metamorphic rock bodies that are hundreds of square kilometers in size