Question: What are the three main groups of rocks?	
CLASSIFYING ROCKS	
Geologists look at the mineral composition, color and texture of a	Page
rock, which can contain a mixture of minerals and other materials	31
or only a single mineral.	
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rock-forming minerals - 20 minerals that make up most of the	
rocks of Earth's crust	
→ Color - provides clues to the rock's mineral composition	
<ul> <li>granite - light colored rock having high silica content</li> </ul>	
basalt - dark colored rock that is low in silica	
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Texture - the look and feel of the rock's surface which is made	
up of particles of minerals or other fine rocks called grains  • Grain size	
• Grain shape	
Grain pattern	
Geologists classify rocks into three major rock groups based on	
how they form: Igneous, Sedimentary and Metamorphic Rocks.	
Igneous - created when magma or lava cools and crystallizes	
Sedimentary - rock material that forms where rocks are broken	
down into smaller pieces or dissolved in water as rocks erode or the	
remains of plants and animals are pressed and cemented together	
Metamorphic - forms when existing rock is changed by heat,	
pressure or chemical reactions	
Forces deep inside the Earth and at the surface produce a slow	
cycle that builds, destroys and changes the rocks in the crust.	
rock cycle - series of processes that change one type of rock into	
another type of rock	