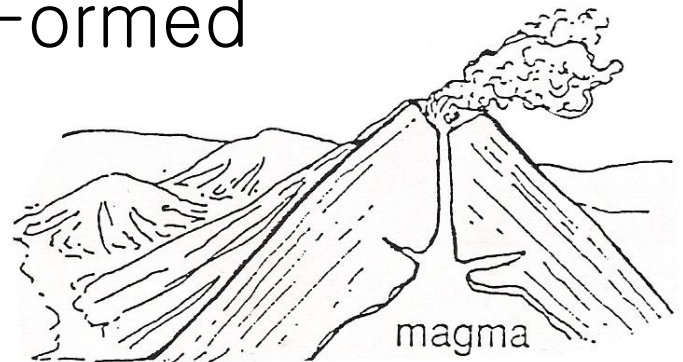


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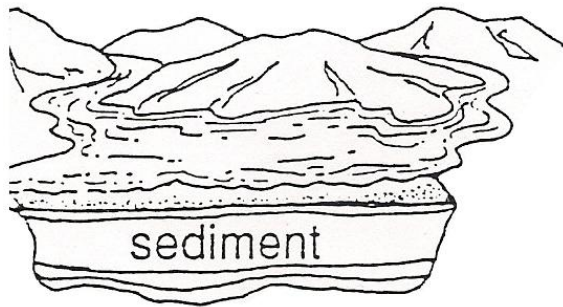
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How Rocks Are Formed

Melted rock called magma is deep within the earth. When magma comes through openings in the earth's crust it is called lava. Lava cools to form hard **igneous** (IG nee us) rocks.



Wind and water break rocks into small pieces. The small pieces settle at the bottom of rivers and oceans. These layers of sediment harden to form **sedimentary** (sed uh MEN tuh ree) rocks.



Heat and pressure deep inside the earth can cause igneous and sedimentary rocks to change. Rocks that are changed are called metamorphic (met uh MOR fik) rocks.

Use the correct word from the word box in each sentence below.

rivers	changed	pressure	Melted
Heat	harden	Lava	pieces

_____ Melted _____ rock is called magma. _____ Lava _____ cools to form hard igneous rocks. Wind and water break rocks into small _____ pieces _____. Pieces of rock settle at the bottom of _____ rivers _____ and oceans. Layers of sediment _____ harden _____ to form sedimentary rocks. _____ Heat _____ and _____ pressure _____ deep inside the earth can cause igneous and sedimentary rocks to change. Rocks that are _____ changed _____ are called metamorphic rocks.

Homework: Write how you think rocks on the moon were formed.

Minerals



Minerals are nonliving materials found in nature. There are more than 2 000 different minerals on earth. Quartz, talc, halite (rock salt), magnetite, feldspar and mica are a few common minerals.

All rocks are made from minerals. The soil contains tiny pieces of minerals broken from rocks.

People use minerals in different ways. Hematite is used to make steel. Quartz, one of the hardest minerals, is used in making sandpaper and glass. Diamond is also very hard. Diamonds are used on the cutting edges of some saws and drills. Talc, a soft mineral, is ground up to make talcum powder. Some minerals are valuable for their beauty. Diamonds, gold, and silver are polished and made into beautiful jewellery.



Cross out the word(s) in each sentence that does not make sense. Write the correct work on the line.

1. ~~Some~~ rocks are made from minerals. All
2. More than 2 000 different ~~soils~~ are on the earth. minerals
3. Quartz is one of the ~~softest~~ minerals. hardest
4. ~~Hematite~~ is used to make talcum powder. Talc
5. Diamonds are used on cutting edges of saws and ~~scissors~~.
drills
6. Talcum powder is made from ground up ~~rocks~~. minerals
7. ~~Talc~~ is used to make sandpaper and glass. Quartz
8. Some minerals are made into beautiful ~~baskets~~. jewellery

