

PRE-VISIT ACTIVITY

Igneous, Sedimentary or Metamorphic? Book Marks



ROCKS pushed up into
MOUNTAINS are
exposed to



WEATHERING

By: Wind, Water, Ice,
Lichens, & Plant Roots

Which break ROCKS
into PARTICLES



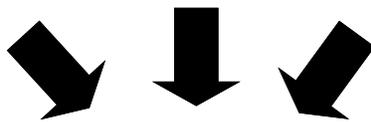
That are
TRANSPORTED by
EROSION



Then DEPOSITED
and CEMENTED
TOGETHER to
FORM:



HEAT
and/or



PRESSURE



**can change
ROCKS into**



The intense heat
within the earth's
core & mantle can

MELT



rocks into magma

If the magma cools
and hardens, it can
form into:

AFTER-VISIT ACTIVITY

Mineral Products Scavenger Hunt

Instructions: Find items in your home that contain the mined product ingredients listed below. Write down the product or describe it.

1. Fluorite, an ingredient in this product, is used to prevent cavities.
2. Magnesium silicate, or talc, is a fine dust is used in this product, which adds color to a person's face.
3. Feldspar is used to make porcelain, which is good at holding water. This product is usually large, white and found in the bathroom.
4. You are probably using one of these graphite-containing objects to write down your answers.
5. Sphalerite and chromite are two minerals found in dyes that are used in these cloth items, which you use to dry your skin.
6. Fused quartz (natural crystals of silica) is used to make this smooth item in which you can see your reflection.
7. Hematite, chromite (stainless steel) and copper are just a few of the minerals used in this large appliance, which keeps food cold.
8. Your mobile electronic devices wouldn't work without the power provided by these items, which contain graphite, galena, and sphalerite.
9. When the floor gets dirty, this item which contain copper, chromite, steel, and hematite, can be used to suction the dirt.
10. You might shake some of this on your food for seasoning; it is composed of halite.

AFTER-VISIT ACTIVITY

Mineral Products Scavenger Hunt

Instructions: Find items in your home that contain the mined product ingredients listed below. Write down the product or describe it.

Answers may vary somewhat.

Toothpaste

1. Fluorite, an ingredient in this product, is used to prevent cavities.

Cosmetics, make-up, etc.

2. Magnesium silicate, or talc, is a fine dust is used in this product, which adds color to a person's face.

Bathtub, toilet, sink

3. Feldspar is used to make porcelain, which is good at holding water. This product is usually large, white and found in the bathroom.

Pencil

4. You are probably using one of these graphite-containing objects to write down your answers.

Towel, washcloth

5. Sphalerite and chromite are two minerals found in dyes that are used in these cloth items, which you use to dry your skin.

Glass, mirror

6. Fused quartz (natural crystals of silica) is used to make this smooth item in which you can see your reflection.

Refrigerator

7. Hematite, chromite (stainless steel) and copper are just a few of the minerals used in this large appliance, which keeps food cold.

Batteries

8. Your mobile electronic devices wouldn't work without the power provided by these items, which contain graphite, galena, and sphalerite.

Vacuum cleaner

9. When the floor gets dirty, this item which contain copper, chromite, steel, and hematite, can be used to suction the dirt.

Salt

10. You might shake some of this on your food for seasoning; it is composed of halite.