

Name: _____ Date: _____ Class: _____

Unit 2 Rocks Mini Unit- **The Great Rock Mix Up**

Learning Objective: Students will be able to classify rocks according to their _____ by engaging in _____ exercise.

Do Now: Why are rocks important to our Earth and our lives as humans?

I do:

Rocks are composed of _____ and other materials (but mostly _____). Of the 3,000 minerals on earth only _____ of those minerals make up most of the Earth's rocks.

Rocks are classified according to their _____. The three classes of rocks are sedimentary, metamorphic, and igneous. Most rocks show _____ that give clues to their formation conditions.

You do:

1. A rock sample will *most likely* contain

- A. plants
- B. minerals
- C. water
- D. wood

2. All _____ are made up of a mixture of different _____.

- A. Minerals; rocks
- B. Rocks; minerals

3. Geologists classify rocks according to their _____.

4. Rocks are categorized into three groups by their:

- a. Size
- b. Color
- c. Formation/origin
- d. Density

We do:

Help! P.S. 128 has an amazing rock collection, and I want to share information about it with you. Unfortunately, over the summer, my rock collection got jumbled. I have lost the labels, and I only have a few clues to help me figure out the type of each rock.



Step 1: Look at the group of rocks. With your group, organize them into three categories. Place the rocks in the table below. Trace the rock samples into the graphic organizer.

Step 2: Answer questions 2 and 3.

Igneous Rocks	Sedimentary Rocks	Metamorphic Rocks
<i>1. Place the rock samples here. Trace the rock samples.</i>	<i>1. Place the rock samples here. Trace the rock samples.</i>	<i>1. Place the rock samples here. Trace the rock samples.</i>
2. Explain why you placed these rocks under the “igneous” category. How are these physical properties different from the other rocks?	2. Explain why you placed these rocks under the “sedimentary” category. How are these physical properties different from the other rocks?	2. Explain why you placed these rocks under the “metamorphic” category. How are these physical properties different from the other rocks?
3. Using prior knowledge or your own educated guess, describe the method of formation of this rock.	3. Using prior knowledge or your own educated guess, describe the method of formation of this rock.	3. Using prior knowledge or your own educated guess, describe the method of formation of this rock.

Closing: Rocks are made of _____. Rocks are categorized according to _____.