

# Rocks & Minerals Unit Test

Name \_\_\_\_\_ Date \_\_\_\_\_

**Directions:** Read each sentence and circle the correct answer.

1) Rocks have been on Earth for over \_\_\_\_\_ billion years.

- a. Six
- b. Four
- c. Two

2) Rocks are constantly being \_\_\_\_\_.

- a. Destroyed
- b. Eaten
- c. Recycled

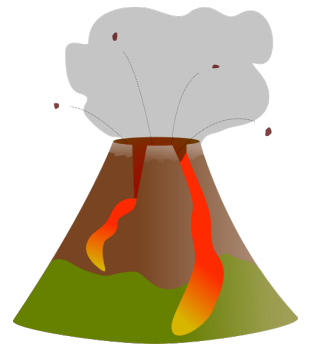


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3) "Igneous" mean "fire" in the \_\_\_\_\_ language.

- a. Greek
- b. French
- c. Spanish

4) A \_\_\_\_\_ test determines how hard a mineral is.

- a. Weight
- b. Scratch
- c. Mohs

5) Lithification is the transformation of \_\_\_\_\_ into a rock or stone.

- a. Magma
- b. Leaves
- c. Sediment

**Directions:** Use the word bank to match each word to a definition or statement below.

Geology	Depth	Weathering
Friedrich Mohs	Denudation	Geologist

- 1) \_\_\_\_\_: the thickness of an object.
- 2) \_\_\_\_\_: the effect of water, temperature, and wind on the landscape.
- 3) \_\_\_\_\_: the study of Earth's history and structure.
- 4) \_\_\_\_\_: developed a scale to test mineral hardness.
- 5) \_\_\_\_\_: a person who studies the Earth and Earth's materials.
- 6) \_\_\_\_\_: when a rock splits apart as a result of water that has frozen and melted.



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**Directions:** Read each statement. If it refers to **igneous** rocks, write **I**. If it refers to **sedimentary** rocks, write **S**. If it refers to **metamorphic** rocks, write **M**. If it refers to more than one rock, write both letters.

1) Oldest type of rock. \_\_\_\_\_

2) Contain cross bedding. \_\_\_\_\_

3) May react to acid. \_\_\_\_\_

4) Contain fossils. \_\_\_\_\_

5) Formed from sediment. \_\_\_\_\_

6) Does not contain fossils. \_\_\_\_\_

7) Formed from cooled magma. \_\_\_\_\_

8) Formed deep in the Earth where the temperature is very hot and there is a lot of pressure. \_\_\_\_\_

9) Pumice is an example of this type. \_\_\_\_\_

10) Undergoes lithification. \_\_\_\_\_

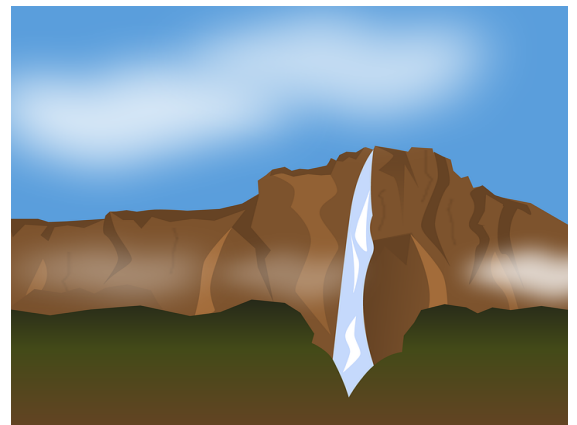


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**Directions:** Use the word bank to match each word to a definition.

Hardness	Gravity	Streak
Colors	Mineral	Luster

- 1) \_\_\_\_\_: minerals come in a variety of these.
- 2) \_\_\_\_\_: solid matter from Earth that is non-living.
- 3) \_\_\_\_\_: the weight of the mineral.
- 4) \_\_\_\_\_: the color made when the mineral is rubbed against a hard surface.
- 5) \_\_\_\_\_: how easy the mineral scratches.
- 6) \_\_\_\_\_: the way the mineral reflects light.

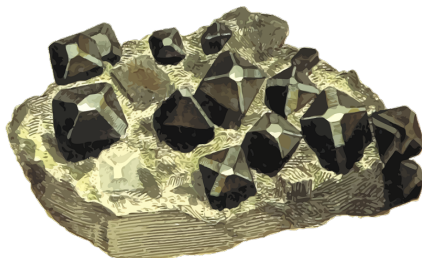


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**Directions:** Label the steps of the scientific method.

	Perform tests or experiments
	Create a hypothesis
	Ask a question/ Make an observation
	State your findings
	Create a hypothesis
	Gather information

**Directions:** Explain the difference between chemical and physical weathering.

Chemical Weathering	Physical Weathering