

Name: \_\_\_\_\_

Date: \_\_\_\_\_

1. Circle **True** or **False**:

- |   |                                    |                                    |
|---|------------------------------------|------------------------------------|
| a) Rocks are composed of one material.            | T                                  | <input checked="" type="radio"/> F |
| b) Minerals are composed of one material.         | <input checked="" type="radio"/> T | F                                  |
| c) Sedimentary rocks can contain fossils.         | <input checked="" type="radio"/> T | F                                  |
| d) Igneous rocks can contain fossils.             | T                                  | <input checked="" type="radio"/> F |
| e) Fossils are only formed from animal remains.   | T                                  | <input checked="" type="radio"/> F |
| f) Some rocks or minerals are magnetic.           | <input checked="" type="radio"/> T | F                                  |
| g) Rocks can be sorted by texture.                | <input checked="" type="radio"/> T | F                                  |
| h) Lustre refers to the weight of a rock.         | T                                  | <input checked="" type="radio"/> F |
| i) An aluminum can can be recycled over and over. | <input checked="" type="radio"/> T | F                                  |
| j) Wind causes more erosion than water.           | T                                  | <input checked="" type="radio"/> F |

2. Identify the **type** of rock that is being described.

- a) These rocks have flat layers and pieces that are about the same size:

Sedimentary

- b) These rocks have alternating dark and light bands:

Metamorphic

- c) These rocks have no layers and have a variety of textures:

Igneous

3. Explain how each of the three types of rocks are formed.

Igneous - Melted rock is brought to surface of earth and cools and solidifies

Sedimentary - Small pieces of earth gather at the bottom of river beds, lakes and oceans, then eventually compact.

Metamorphic - Pre-existing rocks are changed by heat, pressure and time.

4. If rock "A" is a 7 on the Mohs Hardness scale and rock "B" is a 3 on the Mohs hardness scale, what does that mean when you compare the two rocks?

Rock "A" is harder than rock "B".

Rock "A" could scratch rock "B".

5. What is soil erosion?

The removal of small, broken pieces of rocks and minerals. They are carried away by wind, water or glacier movement.

6. Name the three types of erosion:

wind

water

Glacier (Land)

7. Why is erosion greatly reduced in areas covered by grasses, shrubs, and trees?

It holds the land in place. It stops the water from washing away the land.

It blocks the wind.

8. What do people do that changes the surface of the land?

Many possible answers. For example:

walking, playing, building, digging, gardening, etc

9. Complete the sentences:

- a) When people remove **rocks** from the earth it is called

Quarrying

- b) When people remove **minerals** from the ground it is called

Mining





Aluminum

Colour

Erosion

Fossil

Hardness

Igneous

Limestone

Lustre

Magma

Marble

Metamorphic

Mineral

Mining

Quarrying

Quartz

Rock

Sandstone

Sedimentary

Shape

Size

Texture