

Name: _____

Date: _____

Period: _____

Types of Weathering Graphic Organizer

WEATHERING

Definition:

happens in 2 ways

Mechanical Weathering

Definition:

Chemical Weathering

Definition:

Examples:

1. _____ -

2. _____ -

3. **Surface Area** _____ -

a. How does surface area relate to weathering?

Examples:

1. _____ -

2. _____ -

3. _____ -

(1) _____ (does not happen overnight) and (2) _____ (the amount of _____ and _____ in an area) and (3) _____ (how much of rock is out in the open) and (4) _____ of _____ (hard or soft rock) affects the rate of weathering (how slow or how fast it occurs)

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WEATHERING

Directions: Decide if the following descriptions are examples of chemical weathering or mechanical weathering. Write the word "chemical" or "mechanical" in the blank provided.

- _____ 1. moss growing on the surface of rocks producing pits or holes in the rocks because of its acid
- _____ 2. the wedging of tree roots along cracks of rocks making the cracks bigger
- _____ 3. rocks being smoothed by a running river
- _____ 4. the oxidation of minerals that contain iron
- _____ 5. animal burrows dug in rock that let in water and air
- _____ 6. repeated freezing and thawing of water that cracks rock
- _____ 7. the action of sand or salt grinding on rocks
- _____ 8. acids from water which break up rocks
- _____ 9. formation of potholes in streets during severe winters
- _____ 10. lifted sections of sidewalk along tree-lined streets
- _____ 11. a small rock falling from a cliff
- _____ 12. acidic groundwater mixes with rocks producing clay minerals
- _____ 13. salt in rocks dissolving in water
- _____ 14. decaying plants dissolving some of the minerals in rocks
- _____ 15. tree roots cracking the fountain wall made of stones
- _____ 16. sand being blown around in the desert and coming in contact with rock
- _____ 17. acid precipitation ruining statues or headstones made of rock
- _____ 18. color change in rocks

