

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

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

## Chapter 5.1: Weathering

Q There are \_\_\_\_\_ types of \_\_\_\_\_.

Q \_\_\_\_\_

Q \_\_\_\_\_

Q What is the \_\_\_\_\_ between the \_\_\_\_\_ types of \_\_\_\_\_?

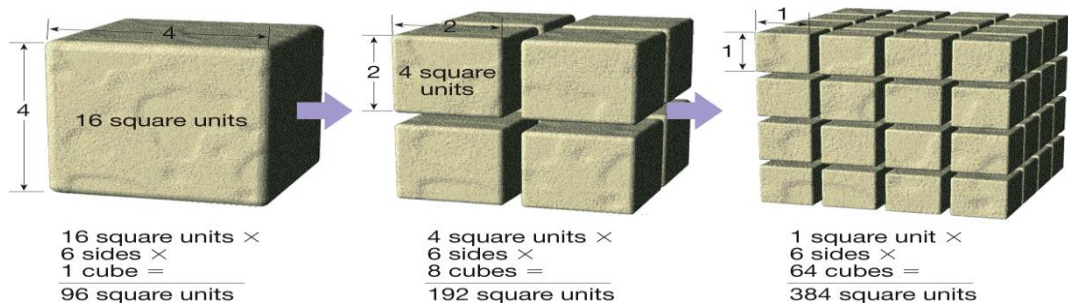
Q Let's say a \_\_\_\_\_ of \_\_\_\_\_ represents a \_\_\_\_\_.

Q Mechanical- \_\_\_\_\_ the \_\_\_\_\_ up into \_\_\_\_\_ pieces.

Q Chemical- \_\_\_\_\_ the paper.

### Mechanical Weathering

Q Mechanical \_\_\_\_\_ occurs when \_\_\_\_\_ forces \_\_\_\_\_ rock into \_\_\_\_\_ and \_\_\_\_\_ pieces without \_\_\_\_\_ the rock's \_\_\_\_\_ composition.



Q Mechanical weathering \_\_\_\_\_ the rock's surface area.

Q In \_\_\_\_\_, three \_\_\_\_\_ processes are \_\_\_\_\_ important causes of \_\_\_\_\_ weathering:

Q Frost \_\_\_\_\_

Q \_\_\_\_\_

Q \_\_\_\_\_ Activity

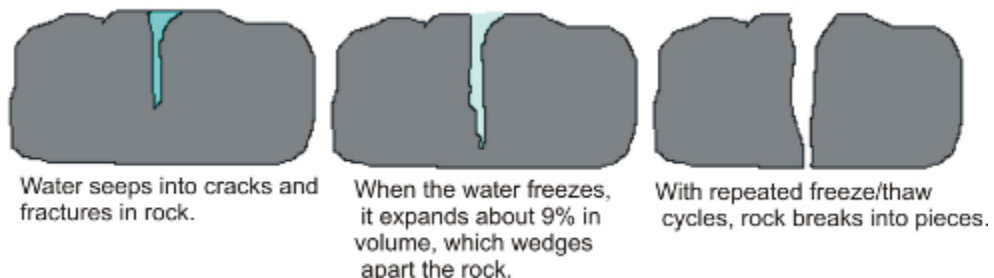
Q Frost wedging

Q The \_\_\_\_\_ breakup of \_\_\_\_\_ is \_\_\_\_\_ by the \_\_\_\_\_ of \_\_\_\_\_ water in \_\_\_\_\_ and cervices.

Q \_\_\_\_\_ of rock that are \_\_\_\_\_ loose may

\_\_\_\_\_ into large \_\_\_\_\_ called \_\_\_\_\_.

Q \_\_\_\_\_ typically \_\_\_\_\_ at the \_\_\_\_\_ of steep, \_\_\_\_\_ cliffs.



Unloading

Large \_\_\_\_\_ of \_\_\_\_\_ rock may be \_\_\_\_\_ through \_\_\_\_\_ and \_\_\_\_\_ of \_\_\_\_\_ rocks.

When that \_\_\_\_\_, the \_\_\_\_\_ exerted on the \_\_\_\_\_ rock is \_\_\_\_\_.

This is called \_\_\_\_\_.

Reduced \_\_\_\_\_ on \_\_\_\_\_ rock causes it to \_\_\_\_\_ and allows \_\_\_\_\_ of outer rock to \_\_\_\_\_ off in \_\_\_\_\_ in a process called \_\_\_\_\_.

Biological activity

The activity of \_\_\_\_\_, including \_\_\_\_\_, burrowing animals, and \_\_\_\_\_, can also cause \_\_\_\_\_ weathering.

Chemical Weathering

\_\_\_\_\_ weathering is the \_\_\_\_\_ of \_\_\_\_\_ into one or more new \_\_\_\_\_.

\_\_\_\_\_ is the most \_\_\_\_\_ agent of chemical \_\_\_\_\_.

Water \_\_\_\_\_ gases from the \_\_\_\_\_ and the \_\_\_\_\_ which \_\_\_\_\_ react with the \_\_\_\_\_ in rocks.

Example: When \_\_\_\_\_ dissolves in \_\_\_\_\_, it reacts with iron-rich \_\_\_\_\_ to produce \_\_\_\_\_.

Rate of Weathering

Mechanical \_\_\_\_\_ increases the \_\_\_\_\_ of chemical weathering by

Physical \_\_\_\_\_ such as \_\_\_\_\_ and the rocks' mineral \_\_\_\_\_ affect

Lastly, \_\_\_\_\_ also \_\_\_\_\_ the \_\_\_\_\_ of weathering. Hot wet \_\_\_\_\_ increase the rate of \_\_\_\_\_ due to excess \_\_\_\_\_ life and \_\_\_\_\_.