

CH 5.1 WEATHERING NOTES

Mechanical Weathering

Types of Mechanical Weathering

1)	2)	3)

Chemical Weathering

Type of Chemical Weathering

Rate of Weathering

Two Factors that affect rate of weathering

1)	2)

Mechanical Weathering

1. List and describe three types of mechanical weathering.

2. 🗣️ Is the following sentence true or false? In nature, three physical processes are especially important causes of mechanical weathering: chemical reactions, spheroidal weathering, and the presence of water. _____

3. Circle the letter of each sentence that is true about mechanical weathering.

- a. Each piece of broken rock has the same characteristics as the original rock.
- b. In nature, three physical processes are especially important causes of mechanical weathering: frost wedging, unloading, and biological activity.
- c. When a rock is broken apart, less surface area is exposed to chemical weathering.
- d. Mechanical weathering is the transformation of rock into new compounds.

5. Describe the weathering process that the rocks in the photograph are undergoing.

6. The weathering process shown in the photograph is called _____.



Rate of Weathering

7. Is the following sentence true or false? Factors that affect rate of weathering are surface area, rock characteristics, and climate.

8. Two characteristics that affect rate of weathering are _____ and _____.

9. What are three ways that the climatic factors of temperature and moisture affect rate of weathering?

- a. _____
- b. _____
- c. _____