

Weathering

Name _____

Directions: Answer all questions using complete sentences.

- 1. What is the difference between mechanical and chemical weathering?**
- 2. How is mechanical weathering affected by climate?**
- 3. When rocks break down without changing in chemical Composition, what occurs?**
- 4. Which type of weathering, mechanical or chemical, Would you expect to have more effect in a desert region? Explain.**
- 5. What results in a change in a rock's composition?**

Answer Key:

- 1. Mechanical weathering breaks a rock into smaller pieces Without changing its composition. Chemical weathering Can change a rock's composition.**
- 2. In temperate climates, the freezing and thawing of water Increases mechanical weathering.**
- 3. When rocks break down without changing in chemical Composition, mechanical weathering occurs.**
- 4. Mechanical weathering would be more effective in a Desert than chemical weathering because of the lack Of moisture.**
- 5. Chemical weathering results in a change in a rock's Composition.**

Rubric (check list)

This rubric is to be used with the two formative evaluations prior to the summative evaluation.

Objective: To determine whether students are mastering material taught or whether the material needs to be addressed further before moving on.

_____ **Students demonstrate exemplary understanding of material taught through choosing pictures of weathering, 1 mechanical and 1 chemical.**

_____ **Student's synopsis reveals an understanding of the chemical and mechanical weathering processes.**

_____ **Oral presentations should deliver information clearly, while staying on the topic.**