

Section Review

Weathering

USING KEY TERMS

1. In your own words, write a definition for each of the following terms:
weathering, mechanical weathering, abrasion, chemical weathering, and acid precipitation.

UNDERSTANDING KEY IDEAS

- _____ 2. Which of the following things cannot cause mechanical weathering?
- a. water
 - b. acid
 - c. wind
 - d. animals
3. List three things that cause chemical weathering of rocks.

4. Describe three ways abrasion occurs in nature.

5. Describe the similarity in the ways tree roots and ice mechanically weather rock.

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6. Describe five sources of chemical weathering.

CRITICAL THINKING

7. **Making Inferences** Why does acid precipitation weather rocks faster than normal precipitation?

8. **Making Comparisons** Compare the weather processes that affect a rock on top of a mountain and a rock buried beneath the ground.

MATH SKILLS

9. Substances that have a pH of less than 7 are acidic. For each pH unit lower, the acidity is ten times greater. For example, normal precipitation is slightly acidic at a 5.6 pH. If acid precipitation were measured at 4.6 pH, it would be 10 times more acidic than normal precipitation. How many times more acidic would precipitation at 3.6 pH be than normal precipitation? Show your work below.