

Weathering and Soil Formation ▪ *Review and Reinforce*

Rocks and Weathering

Understanding Main Ideas

Fill in the blanks in the table below.

Cause	Type	Description
1. _____	Mechanical	Rock particles wear away rock.
2. _____	Chemical	Forms from coal, oil, and gas burning
Freezing and thawing	3. _____	Breaks rock by ice wedging
Carbon dioxide	4. _____	Forms carbonic acid in water
5. _____	Chemical	Weathers marble and limestone
6. _____	Mechanical	Burrowing in the ground breaks rock.
Plant growth	7. _____	Roots pry apart cracks in rock.
Living organisms	8. _____	Produce weak acid that weathers rock
Oxygen	9. _____	Causes rust on some rock

Answer the following questions on a separate sheet of paper.

10. How does erosion differ from weathering?
11. What factors determine the rate of weathering?

Building Vocabulary

Fill in the blank to complete each statement.

12. _____ is the movement of rock particles by wind, water, ice, or gravity.
13. _____ means that a material has spaces that allow water to seep through it.
14. The process that breaks down rock and other materials at Earth's surface is called _____.
15. The grinding away of rock by other rock particles is called _____.
16. The process by which ice widens and deepens cracks in rocks is called _____.

