

Weathering and Erosion

Choose the correct answer.

1. The breaking down of the materials of the Earth's crust into smaller pieces or particles is called _____.



- ☐ erosion
- ☐ weathering

2. Which of the following occurs when the Earth's crust is exposed to changes in temperature over a long period?

- ☐ Physical weathering
- ☐ Chemical weathering

3. Oxygen and moisture in the air react with iron to form _____.

☐



rust

☐



salt

4. Which of the following best describes how water is an example of physical weathering?



☐

Water dissolves minerals out of the Earth's crust, and moving water can affect pieces of rock, causing the pieces to get smaller and smaller.

☐

The water evaporates from the Earth's surface and forms clouds.

State whether the following statement is true or false.

5. Physical weathering can also be caused by the wind.



- ☐ True
- ☐ False

Choose the correct answer.

6. Which of the following best describes an example of how temperature can cause physical weathering?



- ☐ If the temperature rises, water evaporates from Earth's surface and condenses high up in the sky.
- ☐ If the temperature lowers, water in the rocks freeze. When water freezes, it expands and cause cracks in them.

7. Which of the following can also cause physical weathering?

☐

Wood

☐

Plants

State whether the following statement is true or false.

8. A small stream or other source of flowing water cannot form a canyon.



☐ True

☐ False

Choose the correct answer.

9. Which of following can contribute to physical weathering?

☐



Only Earthworm

☐



Only Groundhog

☐



Both Earthworm and Groundhog

State whether the following statement is true or false.

10. Weathering is only caused by non-living things such as the air, temperature, water, and chemicals.

- ☐ True
- ☐ False

Choose the correct answer.

11. The formation of sand takes place through _____ weathering.



- ☐ physical
- ☐ chemical
- ☐ physical and chemical

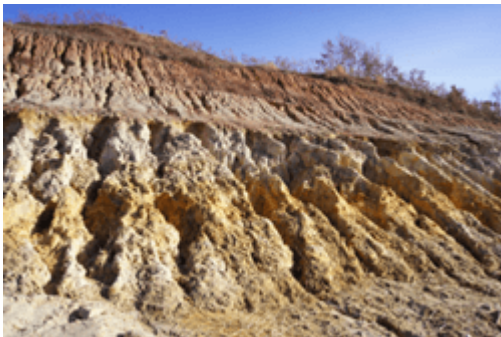
12. Broken pieces of large and small rocks move downhill by a force called _____, which causes physical weathering.

- ☐ erosion
- ☐ gravity

13. Acid rain causes which type of weathering?

- ☐ chemical weathering
- ☐ physical weathering
- ☐ Both physical and chemical weathering

14. The process of moving bits of rock or soil from one place to another is called _____.



- ☐ gravity
- ☐ erosion

State whether the following statement is true or false.

15. Weathering and erosion is the same thing.



- ☐ True
- ☐ False