

Name _____

Period _____ Date _____

QUESTIONS: WEATHERING AND EROSION VIDEO

1. What are the processes that cause Earth's surface to wear down?

2. How do plants wear down rocks?

3. What is the most frequent cause of rocks breaking apart?

4. What is an example of oxidation?

5. What are lichens, and how do they break down rocks?

6. Where does carbonic acid come from?

7. What does carbonic acid do to certain kinds of rocks?

8. What type of rock do you suppose is most easily broken down by carbonic acid?
(Think about it. This was not answered in the video.)

9. What natural forces cause erosion? In your answer, circle the force that is the most powerful.

10. How and where does water cause erosion? _____

11. How does ice cause erosion? _____

12. What is mass movement? _____

13. How does wind cause erosion? _____

Think about the information in this video and what you learned from the stream table to answer items 14–16.

14. Wind blowing across bare soil moves earth material. Which size of particle do you think the wind would carry farther and which would it deposit first?

15. Explain the steps involved in breaking down mountain rocks and depositing the sand, silt, and clay in different places hundreds of miles away.

16. It has taken the Colorado River about 5 million years to erode the Grand Canyon from the flat Colorado Plateau. The Grand Canyon is about 4500 feet deep at the South Rim Grand Canyon Village. If you could visit the Grand Canyon about a million years from now, what changes in the canyon would you expect to see?
