

Weathering and Erosion Webquest

Part I: Go to the following website:

<http://science.howstuffworks.com/environmental/earth/geology/landslide2.htm>

1. Define **weathering**:

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2. Clearly explain how **weathering** is different from **erosion**:

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3. List the two types of weathering and list all examples.

Type of Weathering		
Examples		

4. Define **deposition**:

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Part II: Grand Canyon

5. Go to the following link and click “View” to watch a short video for how the Grand Canyon was formed. <http://www.teachersdomain.org/resource/ess05.sci.ess.earthsys.canyon/>
Summarize the formation process in words and with a sketch.

Sketch:

Words:

Part III: BrainPop- Erosion Video

Go to the following website: <http://www.brainpop.com/science/earthsystem/erosion> (login: Vesbrainpop, password: bluebird)

6. Complete the table below.

4 main causes of erosion	Describe the process	Land features formed as a result?

7. Take the “**Graded Quiz**” once the video is over. Write the correct answers to each question below:

a. What type of changes does erosion cause? _____

b. Erosion occurs when natural forces alter a landscape. What does it mean to alter a landscape? _____

c. Which term best describes the rate at which glacial erosion takes place?

d. What is the usual result when the ocean breaks pebbles into smaller and smaller pieces? _____

e. Which of the following features would be most affected by weathering?

f. How would a sandblasted rock differ from a rock that hasn't been sandblasted?

g. Why is it hard to see glacial erosion in action? _____

h. What do floodplains, sandbars, and river deltas have in common? _____

i. Based on the information in the movie, what would be a simple way to prevent erosion? _____

j. Based on the information in the movie, what can you infer about the type of erosion that formed the Grand Canyon? _____

How did you score? _____

Part IV: Minerals

<http://core.ecu.edu/geology/woods/MineralPropertiesExplain.htm>

8. What is the five-part definition for an object to be considered a mineral?

- a.
- b.
- c.
- d.
- e.

9. Name seven characteristics that can be used to describe minerals:

- a.
- b.
- c.
- d.
- e.
- f.
- g.

Part V: Fun and Games

10. Visit <http://www.kineticcity.com/mindgames/warper/> and play the game. List the different forms of erosion you observe in the game.

11. Visit http://www.glencoe.com/sites/common_assets/science/virtual_labs/E06/E06.html and list **four** different ways land and things on the land are changed over time.