**Weathering and Erosion**

**Part I**: Go to the following website:

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

1. Define **weathering**:

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

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

(***Draw*** and ***Complete*** a Data Table)

|  |  |  |
| --- | --- | --- |
| Type of  Weathering |  |  |
| Examples |  |  |

4. Define ***deposition***:

**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 entire formation process in ***words*** and with a ***sketch.***

**Part III: BrainPop- Erosion Video**

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

6. ***Draw*** and ***Complete*** a table like 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:

1. What type of changes does erosion cause?
2. Erosion occurs when natural forces alter a landscape. What does it mean to alter a landscape?
3. Which term best describes the rate at which glacial erosion takes place?
4. What is the usual result when the ocean breaks pebbles into smaller and smaller

pieces?

1. 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?

**What is your 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?

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

**Part V: Fun and Games**

10. Visit http://www.kineticcity.com/mindgames/warper/ and play the game.

List ***all*** 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>

List ***four*** different ways land and things on the land are changed over time.