Science 7, Period _____ Name _____

Lab # _____ Weathering, Erosion, Deposition, & Soils Scavenger Hunt

Background Information:

In this lab, you are going to be finding locations outside where certain earth science terms and definitions can be observed. You will be taking pictures of the locations using a cell phone or digital camera, getting each picture approved and signed-off by a teacher, and then writing a caption about each picture that is taken. The caption should explain the picture to an "outsider" who does not know anything about earth science, or the location of the picture. For an idea about how to write a good caption, look at a picture in any newspaper or magazine.

Materials:
digital camera or cell phone camera
pencil
"The Great Outdoors"
separate sheet of lined paper

Procedure:

1. Choose any six (6) of the possible pictures/captions below.
2. Find an appropriate location outside where you can observe each one.
3. Take a picture using your camera. Make sure it is clear and in focus.
4. Show it to the teacher to get it "signed-off."
5. Write a caption for the picture you just took, neatly on a separate sheet of lined paper.
6. Repeat the above steps for the other five that you choose.

Take a picture/write a caption:

A. a location where erosion is currently taking place, or recently took place.
B. loose sediment of various sizes from large to very small/fine.
C. a location along a stream where most deposition occurs.
D. a location along a stream where most erosion occurs.
E. a meander (be able to also describe the area of fastest flow)
F. evidence of a gully
G. evidence of soil creep or soil slump
H. a decomposer
I. a rock that has been abraded
J. an area where there is a lot of runoff potential (why?)

Teacher sign-off:

Letter	Teacher Initials	Letter	Teacher Initials
A		F	
B		G	
C		H	
D		I	
E		J	

Summary Questions:

1. Besides water, name at least one other factor that can cause erosion.

2. What is the difference between weathering and erosion?

3. Compare **AND** contrast mechanical and chemical weathering. Use a Venn diagram if you would like.

4. What factors would cause a stream to carry an increased/larger load?

5. Describe each of the four main types of mass movement.

6. What is a glacier? How is it related to erosion?

7. What are the components (parts) of soil?