

Arroyo Erosion Investigation



Name :

Date: _____ Time: _____

Temperature/Weather: _____

Description of Location: _____

First Look: Take notes using words and drawings on what you notice in the arroyo.

Second Look: What evidence of erosion do you notice? Use images and words to record your observations.

Erosion Model Diagram: Your teacher will pour some water on the slope. Watch how the soils are eroded. Where is the soil deposited? Draw and label what you notice below. Use the terms EROSION, DEPOSITION, and SEDIMENT.

Third Look: Return to the arroyo. Answer the following questions:

Describe the sediment.

Where do you see evidence of deposition?

Where do you see evidence of erosion?

If water continues to flow through this arroyo, what do you predict that it will look like in 10 years? What makes you say that?

Reflection: If there were a large rainstorm that caused water to fill the bottom of this arroyo what do you think would happen? Where would the sediment go? What would the arroyo look like the next day?
