Lab 61: Investigating Groundwater Name: _____ Block: ___

Key Words: *Groundwater*

Getting Started:

1. Where does water go when it falls to the earth?

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2. How does water "disappear" into solid ground? Where does it go? Can we get it back once it has disappeared?

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3. Read the introduction and Challenge to Activity 61, "Investigating Groundwater," in your Student Book. In this activity, you will explore how water moves through two earth materials, gravel and sand.

Procedure:

1. Read the Procedure on pages E-56 through E-57 in your Student Book. Your classmates performed this experiment.

2. Look at Transparency 61.1, "Comparing Gravel and Sand," which is attached to this packet. Look at the size of the different particles in each material and the relative amount of space. What do you observe about the two materials?

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3. Watch the LABsent video (found here: https://vimeo.com/152303910). As you watch the video, record your observations in the table provided. You will need to pause the video to have time to record your data.

Observing Water in Gravel and Sand

Tube Containing	Observations of Sample	Observations After Adding Water
Gravel		
Sand		

Prediction (Procedure Step 3):

_____

_____

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Analysis Questions:

1. Through which material did water travel more quickly? How did the results compare with your initial prediction?

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2. Explain how this activity helps provide evidence that the amount of water on earth stays the same.

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