

Soil Contamination Worksheet

1. Record your calibration data in the table below.

Table 1: Soil Contamination Calibration		
Material	Number of Dye Drops	Percentage of Reflection
clean sand		
contaminated sand		
contaminated sand		
contaminated sand		
contaminated sand		
contaminated sand		

2. Below, sketch the location of the simulation river and wells. Label the wells by number.

Name: _____ Date: _____ Class: _____

3. Record your experimental data in the table below.

Table 2: Soil Contamination Experiment			
Well #	Percentage of Reflection	Visual Observation	Number of Drops
Well 1			
Well 2			
Well 3			
Well 4			
Well 5			
Well 6			

4. Do your visual observations match the number of drops you calculated? Explain.

5. What are possible sources of error?

6. How might you improve this experiment for next time?