Muddy Water

Name _____

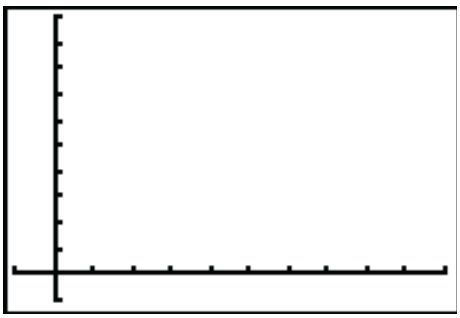
Class _____

In this adventure, you will analyze the effect of storm water run-off on local water turbidity.

1. Fill in the table with the light readings from the trials.

2. Draw and label the graph of your data on the axes provided.

Amount of Dirt (g)	Intensity of Light Passing Through Water
0	
10	
20	
30	
40	
50	



3. Describe the shape of the graph.

4. What does the *y*–intercept represent in this situation?

5. What did the flashlight represent?

6. Between which amounts of dirt did the intensity of light change the most?

7. Between which amounts of dirt did the intensity of light change the least?

8. Describe how storm water run-off affects local water turbidity. When will the most devastating effect on water clarity occur?