

Name _____

Date _____

Hydrofracking Data

1. Your teacher will give you a handout or Excel file with data collected by the scientists. Use those data to create a graph showing the difference between the control forest and the experimental forest area (the experimental forest is where the hydrofracking fluid was sprayed). You should graph the variable that you identified yesterday in question #3.
2. Describe the changes you see in the variable you graphed over the course of the three year experiment.

3. List the potential sources of variability in the investigation.

<i>Real – what might be some sources of variability that are due to the ecosystem?</i>	<i>Human/experimental – variability due to human error, design etc</i>

4. Share your results with your classmates. Based on what you learned, which component(s) of the fracking flowback water had the greatest impact on soil chemistry in the forest? Which component(s) did not seem to have an impact on soil chemistry?

5. How confident are you with your answers to #4?

6. What additional information would you like to have in order to feel more confident?

7. What impact do you think the change in soil chemistry will have on the forest ecosystem?

Explain your claim.
