Ecology Disrupted: Winter Roads

Full Name _____ Class _____ Date _____

Investigation Booklet
How Do You Investigate and Represent Data?

1. Why did Dr. Sujay Kaushal study the three different streams: forested, urban, and suburban?

Dr. Kaushal wanted to compare salt levels in areas with few roads (forested) to areas with more roads (suburban and urban) If he found stream salt levels to be highest in urban areas, it would indicate that salting roads is to blame.

2. Predict which area stream will have the highest amount of salt. What is your reasoning?

Urban streams should have the highest levels of salt because urban areas have more roads that will have been salted to melt the snow and ice. However other predictions are acceptable as long as sound reasoning is shown.

3. How does a correct scale help with interpreting your graphing data?

A correct scale allows for ease in comparison because graphs of the same data plotted on different scales look very different. This difference make it impossible to compare the data from the different datasets.