Lab 1: The Process of Science
pp. C3-C11: Be sure to fill out Activities I-VIII and review all definitions.

GOALS:
-Identify the steps of the scientific method and give examples of each step.
-Describe the components of an appropriate scientific experiment.
-Use some common statistics to display experimental results.
-Describe the methods and results of your experiment.

KEY TERMS:
hypothesis	replicates
theory	sample size
independent variables	mean (be able to calculate)
dependent variables	median (be able to calculate)
constants	control treatment
experimental treatment	

Calculate the mean and the median for the following data:

Student	Exam 1
1	95
2	94
3	91
4	25
5	90
6	20
7	92
8	95
9	93
10	96

Mean=   Median=

Student	Exam 2
1	20
2	99
3	98
4	25
5	27
6	20
7	90
8	22
9	97
10	96

Mean=   Median=

For exam 1:
-In this situation, is the mean a good representation of the class scores? Why or why not?

-In this situation, is the median a good representation of the class scores? Why or why not?

For exam 2:
-In this situation, is the mean a good representation of the class scores? Why or why not?

-In this situation, is the median a good representation of the class scores? Why or why not?

Reminder----NO LAB NEXT WEEK. In 2 weeks, we will meet in front of Corey Union for our field trip to Hoxie Gorge. Be on time, dress for a walk in the woods, bring your lab manual and be prepared to take notes.