Name: Date: Period:

	May 18	Jun 1	Jun 15	Jun 29	Jul 13	Jul 27	Aug 10	Aug 27	Avgs
1.	9.02	7.98	7.46	7.32	7.10	7.48	7.80	7.36	7.69
2.	6.40	8.38	7.62	5.54	7.78	7.78	8.32	7.68	7.44
3.	9.66	7.68	8.00	7.46	6.86	7.14	6.92	6.18	7.49
4.	7.22	6.40	7.08	7.66	6.72	7.78	6.66	7.54	7.13
5.	6.78	6.94	7.82	7.70	7.42	8.10	7.06	7.78	7.45
Avg	7.82	7.48	7.60	7.14	7.18	7.66		7.31	7.44

Great Gobs of Graphs

The data above was collected along a river. The numbers are parts per million (ppm) of dissolved oxygen in water samples at various sites (1-5).

Analysis of the data table this is to be done ALONE, BY YOURSELF.

- What is the highest amount of dissolved oxygen recorded in this table? b) When was that data collected? c) Where was that data collected?
 a) b) c)
- 2. Which site had the most variation in the amount of dissolved oxygen measured during this time period? Explain how you decided that.
- 3. Calculate the average amount of dissolved oxygen recorded on August 10.
- 4. Assume the average amount of dissolved oxygen from site 1 is normal. What percent of normal is the data collected at a) Site 2 on June 29. b) Site 4 on July 13. c) Site 5 on July 27.
- 5. What does this data indicate about the amount of dissolved oxygen in this river during this time period?

Graphing – To be done ALONE, BY YOURSELF. USE GRAPH PAPER.

- 1. What is the range of data values for this graph? Show your work or explain your answers.
- 2. a) What is the independent variable?b) What is the dependent variable? Explain.
- 3. What kind of graph will you make?
- 4. Make a graph of this data. Use a different color for each collection site.
- 5. Predict the amount of dissolved oxygen at Site 2 on August 3. Explain how you did that and if it is a valid prediction.