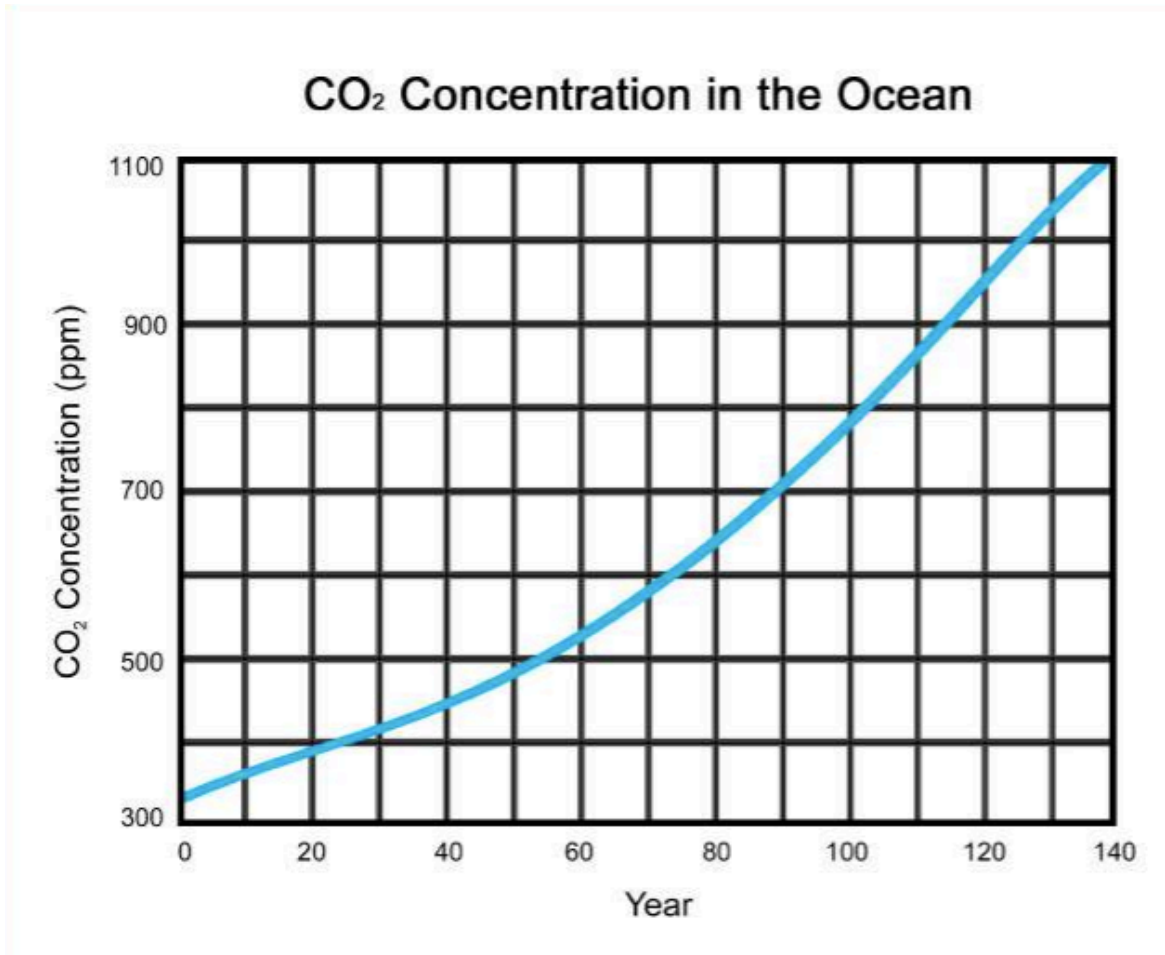


Graphing

Directions: On the back of the graph paper on the teachers desk answer the following questions to the first graph. On the front of the graph paper (side with graph and lines) answer the 2nd pages questions.



Answer the following questions on the back of the graph paper:

1. What is the independent variable (Manipulated Variable)?
2. What is the dependent variable (responding variable)?
3. What is the graph's information about?
4. What patterns occurs with the CO concentration as the year get larger?
5. What year did the CO concentrations finally reach 700 ppm?
6. How much CO concentration was present in year 20?
7. What would be the CO concentration in the year 160?
8. What made you come to the prediction (guess) ?

Direction: On the FRONT of the graph paper answer the following questions from this page.

Reaction Times for Starch-Amylase Mixture				
Temperature (°C)	Time (s)			
	Trial 1	Trial 2	Trial 3	Avg.
30	28.2	26.3	27.8	
35	22.3	23.9	22.8	
40	17.6	18.2	16.3	
45	8.7	9.9	7.8	

9. What type of graph (Pie, Bar or Line) would you use to represent the data in the table?
10. Why would you use a line graph to represent this data? (yes I know this gave you the answer to question 9!)
11. Calculate the average for the temps (hint they go left to right NOT top to bottom)
- 30 -
 - 35 -
 - 40 -
 - 45 -
12. What pattern do you see with time as the temperature gets higher (hotter)?

On the Graph (you will make this graph)

- Title the graph
- Title the X axis time
- Title the Y axis Temperature
- The Y axis intervals will start at 0 (bottom line of graph will be 0)
- Each interval goes up by 3 (0,3,6,9...if done correctly top line will be 60)
- Graph the 4 averages