Gas Volume Generated (ml) (y-axis)

Time (seconds): 0 15 30 45 60 75 90 105 120 135 150 165

Time (seconds)

6. After all of the data points have been placed on the graph, draw a straight line through the points of each color. (a best fit line)

7. The slope of each line will represent the rate of gas production. Remember that the slope of a line is the rise divided by the run. Using the values on the x and y axis, calculate the slope of the line for hydrogen and oxygen.

Slope for Hydrogen = _____ ml/sec. Slope for Oxygen = _____ ml/sec.

(Save this value for experiment 17)

8. Check to see if the rate for hydrogen is about double that of oxygen.
Explain why this might be so.

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