

## Rate Law Pre-Lab

1. How is the rate of a chemical reaction measured?
2. Write out a generic rate law.
3. What are x and y in the equation and how are they determined?
4. Write out the reactions that pertain to the Iodine Clock Reaction.
5. Which reaction runs fastest?
6. What is the rate law for the reaction?
7. How many decimal places should be recorded when reading a volumetric pipette?
8. Why is it important to check your technique by repeating run 1?
9. Calculate the new concentration if you take 5.00mL of 0.100M KI and dilute it to a total of 50.00mL.
  
10. Determine which runs you will use for each graph.
  
11. How does temperature affect rates?
  
12. What is activation energy?

### Lab Notebook:

Fill out header information

Write out a statement of purpose

Make a list of measurements and observations you will need.