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Rate of Chemical Reaction Worksheet

Data Tables

Part I. The Effects of Concentration

Solution A (drops)	Water (drops)	Solution B (drops)	Starch (drops)	Trial 1 (s)	Trial 2 (s)	Average Time (s)
5	0	1	1			
4	1	1	1			
3	2	1	1			
2	3	1	1			
1	4	1	1			

Part II. The Effects of Temperature

Solution A (drops)	Ice Water (drops)	Solution B (drops)	Starch (drops)	Trial 1 (s)	Trial 2 (s)	Average Time (s)
1	4	1	1			

Part III. The Effects of a Catalyst

Solution A (drops)	Acid (drops)	Water (drops)	Solution B (drops)	Starch (drops)	Trial 1 (s)	Trial 2 (s)	Average Time (s)
1	1	3	1	1			

Post-Lab Questions

1. What effect does concentration have on the rate of a chemical reaction? Why?

2. What effect does temperature have on the rate of a chemical reaction? Why?

3. What effect does a catalyst have on the rate of a chemical reaction? Why?

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