

42.5: Analysis

1. In the reaction “*escaping oxygen*”, what was the purpose of the potato? What is a material called that causes this behavior during a chemical reaction?
2. What is the purpose of crushing the Alka Seltzer tablet? What does crushing the tablet change? Why does crushing a tablet change the reaction rate?
3. Why does hot water change the rate at which contents mix and/or chemically react?
4. How did the dissolving of the sugar cube compare to the Kool-Aid? Why did this happen?
5. Look at your *weak or strong* data table. Is there an amount of vinegar at which the reaction final mass plateaus? What do you think this indicates?
6. In the *weak or strong* reaction, did a higher concentration of vinegar result in a faster rate of reaction? Explain why this may happen?

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