

## Rate of Reaction Labs

Name:

### Food Coloring and Water

Purpose: Determine the relationship between temperature and reaction rate.

Hypothesis: If the temperature increases, then the time of reaction \_\_\_\_\_.

Materials: hot plate, ice, water, 3 beakers, food coloring, graduated cylinders, thermometers

Procedures:

- 1.
- 2.
- 3.

Date Table:

Temperature	Time (sec)
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Conclusion:

### Hydrochloric Acid and Sodium Thiosulfate

Purpose: Determine the relationship between concentration of particles and reaction rate.

Hypothesis: If the concentration of particles increases, then the time of reaction \_\_\_\_\_.

Materials: HCl (use 5 mL each time), water, sodium thiosulfate, graduated cylinders, 3 beakers, paper with X, timer

Procedures:

- 1.
- 2.
- 3.

Date Table:

Concentration of sodium thiosulfate	Time (sec)
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Conclusion: