



## Solids, Liquids, and Gasses

Name: \_\_\_\_\_ Date: \_\_\_\_\_

# MOVING MOLECULES

## HYPOTHESIS

If an object is sitting still, what are its molecules doing?

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## MATERIALS

1 Clear Glass  
Warm Tap Water  
Cold Tap Water  
Food Color  
Stopwatch or Clock

## PROCEDURE

1. Fill the glass with cold water.
2. Put the glass on your desk and wait until the water is very still. Be careful not to bump your desk.
3. Once the water is still, put 2-3 drops of food color into the water. Be careful not to bump or move the glass.
4. Time how long it takes all of the water to change color. \_\_\_\_\_
5. Rinse out the glass and fill it half way with warm water.

6. Repeat the test above and record how long it takes for all of the warm water to change color.

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## CONCLUSION

How can you explain what happened to the food color?

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