



WHAT'S THE MATTER?

MOLECULES ON THE MOVE

HYPOTHESIS

What happens to the movement of molecules in a substance when that substance is heated?

MATERIALS & EQUIPMENT

- 1 beaker
- food color
- water

LAB SAFETY AND PROTOCOL

PROCEDURE

1. Put 300 ml of cold water in the beaker. Let it sit on the desk a few minutes until the water seems still.
2. Add 1 drop of food color. Do not stir or shake the beaker.

What happens to the food color (and why)?

3. Do you think there would be any differences if the water was hot (and why)?

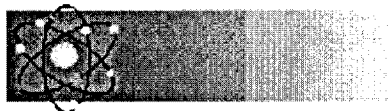
4. Try it. Rinse the beaker, then put 300 ml of hot water in it. Let it sit on the desk a few minutes until the water seems still.

5. Add 1 drop of food color. Do not stir or shake the beaker.

What happens?

CONCLUSION

What happens to the movement of molecules in a substance when that substance is heated?



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