| Therm | nal Expansion of Liquids Name: | |
|--------|--|-------|
| Aim: T | o observe thermal expansion in water. | |
| white- | Pour water into a conical flask until it is nearly full. Add a drop of food dye to the water. Poke a glass tube through a rubber stopper. Place the rubber stopper onto the conical flask and gently push down until the water rises a short distance up the glass tube. (You may need to pour out some of the water.) Mark the level of the water with a white-board marker. Heat the water. | |
| SAFET | Y WARNING: A hot hot plate looks the same as a cold hot plate, so please be careful! | C |
| Questi | ions: | |
| 1. | Describe what happened when the water was heated and what happened when it cooled | down. |

2. In terms of the movement of water molecules, what is the difference between hot water and cold water?



3. Describe how a thermometer works.