Tina Yetukuri

Heating Curve of Water Lab Conclusion

In this lab, a beaker filled with ice was melted and the data was observed and recorded. The materials used in this lab were a thermometer, hot plate, larger beaker, ice and a stirring rod. The directions were to fill the large beaker with ¾ full of ice and record the mass and temperature of the ice. Then turn on the hot plate, set the heat to 7 or 8 and place the beaker on the hot plate. Stir the mixture and after each minute record the temperature. At 0 minutes the state of the ice is solid and the temperature is 0.0° c, 8 minutes into the heating the ice is in a liquid state at 19.9°c, the water started boiling at 94.6°c, 18 minutes into heating. As time increases the temperature also increases and so does the particle movement. When the particle movement increases the change in states occur from solid to liquid to gas.