16.3 **States of Matter** Question: How fast can you melt an ice cube? 1 **Procedure** There are no questions to answer in part 1. 2 Analyzing your results List at least three techniques used in your group to melt the ice cube. a. b. Which technique was most effective? Why? Using what you know about potential and kinetic energy, describe the transfer of energy which с. occurred as your group's best technique was executed. 3 A closer look at the melting process Read the passage in your Investigation book. 4 **Procedure** Follow the steps in your Investigation book.

5

a. Graph the data you collected during this procedure.



f. In the space below, draw a sketch of the graph you would expect to see as liquid water changes to gas.

Write two or three sentences describing the energy changes that occur during this process.