NameclassNumber
Exercise 2.1
1. Fill in the blanks.
1.1) Heat and the expansion and contraction of substances
An iron sheet willwhen heated and willwhen left to cool. Copper has a higher coefficient of thermal expansion than iron. If a copper sheet is heated, it willmore thanthe iron sheet.
1.2) Heat and changes in the state of substances
The three states of substances are Substances can change in state when heated. When a solid turns into a liquid, this is called
2. Look at the graph showing the processes of ice turning into water and water turning
into water vapor (given that the specific heat of water is 1 cal/ g. C). Then, answer the following questions.
Temperature (°C) Water vapor Water vapor Water vapor Water vapor 100 Water vapor Time 2.1) Which numbers are the phases where only the state changes when heated?
2.2) Which numbers are the phases where only the temperature changes when heated?

