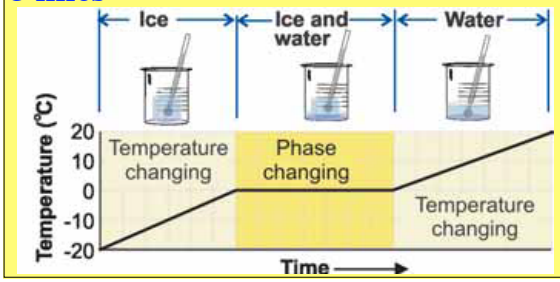
Pg 32 : Matter

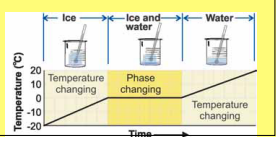
Use pg. 96 of textbook
Use 4 lines

Thermal Energy	Intermolecular forces	State
High		
Medium		
Low		

Open to NB pg. 32
Open book to pg. 97: copy diagram.
Draw it NEAT!!! Use no more than 8 lines

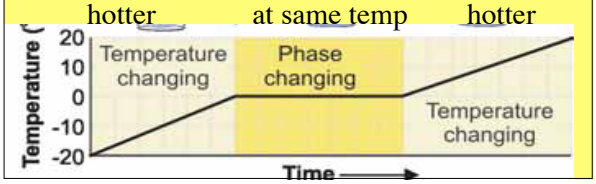


Turn and talk:
The part of the graph that shows breaking intermolecular forces is …. Because the heat is being used to……



Turn and talk:
The part of the graph that shows molecules speeding up is ….
Because the heat is being used to……

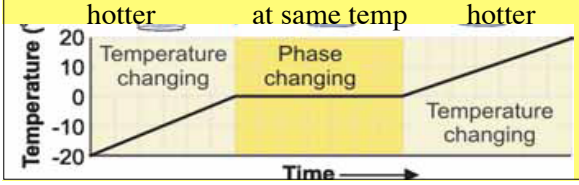
Ice getting hotter | ice & water at same temp | water getting hotter



Turn and talk:

Another part of the graph that shows molecules speeding up is …. Because the heat is being used to……

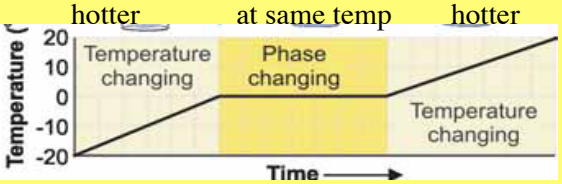
Ice getting hotter | ice & water at same temp | water getting hotter



Turn and talk:

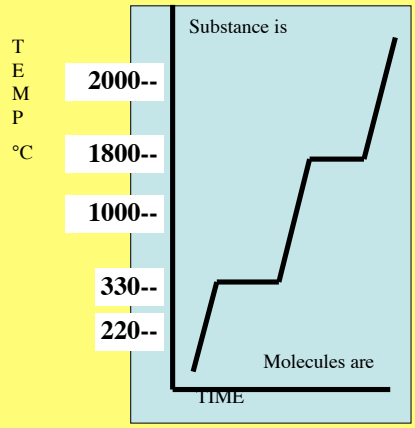
The part of the graph that shows no change in the speed of the molecules is …. Because the temperature is…

Ice getting hotter | ice & water at same temp | water getting hotter



Label the parts on YOUR graph

- **Ice only**
- **Ice and water**
- **Water only**
- **I.M. forces breaking**
- **Molec. speeding up**
- **Molec. breaking out of lattice**
- **Lattice**
- **Molec. moving freely**



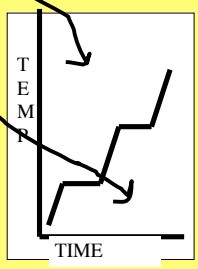
Copy

Use rest of page 32

LABEL substances left side:
•Liquid •Gas
•Solid Melting •Boiling

LABEL molecules right side:
•Intermolecular forces (IMF) breaking in solid
• Intermolecular forces (IMF) breaking in liquid
•Speeding up (3 places)

•List Use pg. The graph to find the melting and boiling point. Look up the temperatures in the chart at the top of textbook page 98 and list the substance that is represented by the phase change diagram:
1. Melting point: ___ °C
1. What substance was heated?
2. Boiling point? ____ °C



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Science Notebook Layout **DON'T COPY UNDERLINED TEXT**
Mrs. Aguirre's Webpage: http://www.quia.com/profiles/caguirre

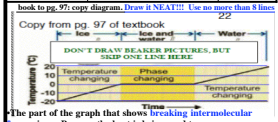
Matter Review 10/28/2011

Use pg. 96 of textbook Use 4 lines for chart

Thermal Energy	Intermolecular forces	State
High		
Medium		
Low		

book to pg. 97: copy diagram. Draw it NEAT!!! Use no more than 8 lines

Copy from pg. 97 of textbook



•The part of the graph that shows breaking intermolecular forces is …. Because the heat is being used to……
•The two parts of the graph that show molecules speeding up is …. Because the heat is being used to……
•The part of the graph that shows no change in the speed of the molecules is …. Because the temperature is…

1. Melting point: ___ °C
2. What substance was heated?
3. Boiling point? ____°C

LABEL substances left side:
•Liquid •Gas
•Solid •Melting •Boiling

LABEL molecules right side:
•Intermolecular forces (IMF) breaking in solid
• Intermolecular forces (IMF) breaking in liquid
•Speeding up (3 places)

2000--
1800--
1000--
330--
220--

10/18/11: Thermal Energy and InterMolecular Forces

1. Thermal Energy (61) **Read page 61: What do temperature and thermal energy tell us about molecules?** **Thermal energy tells us….** PICTURE!!!	2. Molecules in Solids (103) **Read page 103- first paragraph: Why are springs used in the model of a solid?** **In a solid, the springs are used to….** PICTURE!!!
3 What They DO (P. 96)	4 Properties of… (96)
5 The Role of Thermal Energy (96)	6 Explaining The Phases of Matter (96)

In EACH box- a summary and a colored picture

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