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| Heating CurvesCλeMis+ry: http://genest.weebly.com Stop in for help every day at lunch and Tues, Weds., &Thurs after school!After-hours question? Email me at home: eagenest@madison.k12.wi.us |   | Name\_\_\_\_\_\_\_\_\_\_\_\_\_Period\_\_\_\_\_\_\_\_\_\_\_\_\_ |

1. Label neatly on the graph of each of the following:

a. solid b. liquid c. Vapor/gas

d. melting point e. freezing point f. boiling point

g. condensation point h. melting i. freezing

j. vaporization k. condensation

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| l. first appearance of solid in heatingm. last appearance of solid in heatingn. first appearance of liquid in heatingo. last appearance of liquid in heatingp. first appearance of vapor in heating | heating curve |



Directions: Read the caption and then sketch in an appropriate drawing you found between pages 268 to 279 of your textbook.

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| In both containers we see the same substance but the container on the right has a much greater vapor pressure.What did the chemist do to the container on the right to cause more vapor pressure? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | This picture shows what would happen to a barometer if the atmospheric pressure was made less – it shows that the height of mercury changes in the tubeQuestion: What is inside the portion labeled *vacuum?*  |
| In this drawing we see that pressure is caused by particles hitting the side of the container.Question: Draw what would happen if the particles were heated to give them double the kinetic energy | This shows what the normal boiling point for water is. |