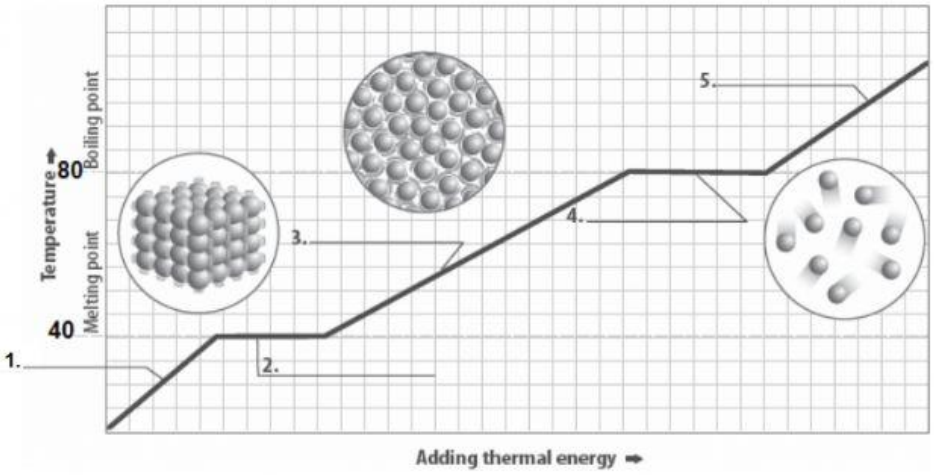
**Write** a title for the graph.

**vs.**




***Label each section of the graph (1-5)***
***Drag and drop***

**Liquid**

**Solid**

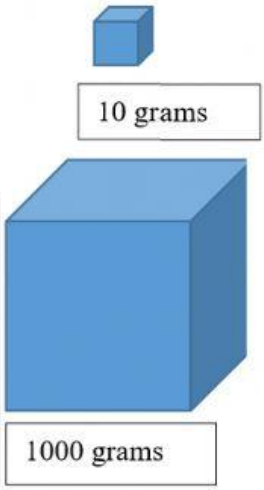
**Gas**

**Melting/freezing**

**Vaporization/condensation**

**Thermal energy**

**Temperature**




| Put an **X** in each box if the indicated part of the graph applies to the statement. | 1 | 2 | 3 | 4 | 5 |
|---|---|---|---|---|---|
| Which parts of the graph show the temperature is staying constant? | X | X | X | X | X |
| Which parts of the graph show the temperature is increasing? | X | X | X | X | X |
| Which parts of the graph show the thermal energy is staying constant? | X | X | X | X | X |
| Which parts of the graph show the thermal energy is increasing? | X | X | X | X | X |

**Suppose two samples of the same substance are heated, one is 10 grams the other is 1000 grams.**

| Put an **X** in each box if the indicated part of the graph applies to the statement. | **Increase** | **Decrease** | **Remains the same** |
|---|---|---|---|
| What would happen to the temperature at which they melt/freeze? | X | X | X |
| What would happen to the temperature at which they vaporize/condense? | X | X | X |
| What would happen to the amount of thermal energy (heat) necessary to melt the blocks? | X | X | X |
| What would happen to the amount of thermal energy (heat) necessary to vaporize the substance? | X | X | X |

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