

Write a title for the graph.

VS.

Label each section of the graph (1-5)

Drag and drop

Liquid

Solid

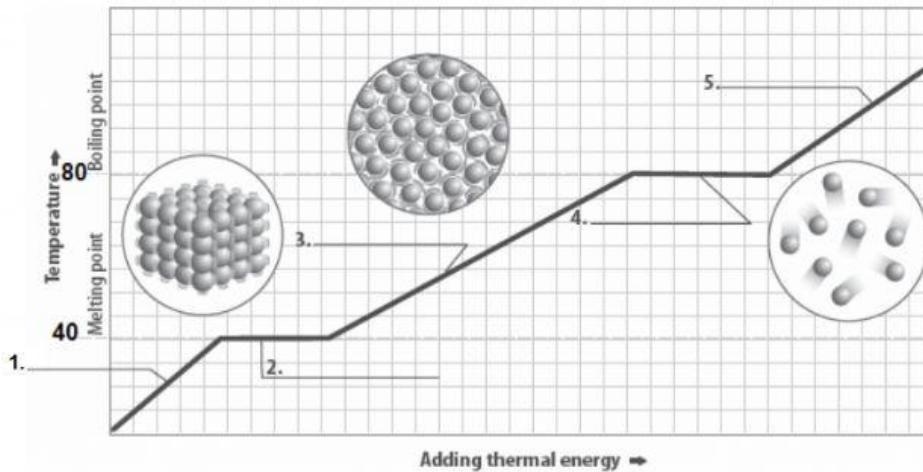
Gas

Melting/freezing

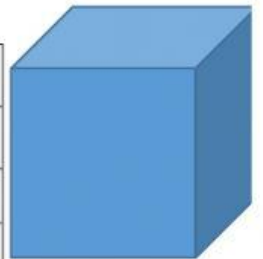
Vaporization/condensation

Thermal energy

Temperature



10 grams



1000 grams

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