

Line Graph Assignment Name: _____
Chemistry

2 points Date: _____ Hour: _____

Use a half-sheet of graph paper to make a **line graph** of the following data.

x-axis = Time (min)

y-axis = Temperature (°C)

The graph should be fairly large and fill most of the graph paper.
The x-axis should be on the longest side of the graph paper.

Time (min)	Temperature (°C)
0	-25
1	-10
2	-7
3	-7
4	-7
5	0
6	15
7	26
8	35
9	50
10	59
11	59
12	59
13	59
14	70
15	72

(This data is for the chemical bromine.)

Bromine is a liquid a room temperature (25 °C).

According to the graph, what is the melting point of bromine?

According to the graph, what is the boiling point of bromine?

According to the graph, what state of matter is bromine after 3 minutes?

According to the graph, what state of matter is bromine after 8 minutes?

According to the graph, what state of matter is bromine after 14.5 minutes?

Does this graph show an endothermic or exothermic process?

What happens to the temperature of bromine while it is changing from one state to another?
