

**Graph 1: Information about the temperature of water over time!**

Time (x-axis)	Temperature (y-axis) in celsius
0	-50
1	-25
2	0
3	0
4	0
5	50
6	100
8	100
10	100
14	100
16	100
18	200

**Information about this graph:**

Water begins to melt at 0 degrees celsius  
 Water begins to boil at 100 degrees celsius

**Make some predictions and label on your graph:**

1. When is the water in the following forms:  
Solid, Liquid, Gas
2. When is the KE the highest?
3. When is the PE the highest?
4. What sections does the KE change in?
5. What sections does the KE not change in?
6. Where is the melting point?
7. Where is the boiling point?

**Graph 2: Information about the temperature of water over time!**

Time (x-axis)	Temperature (y-axis) in celsius
0	200
1	100
2	100
3	100
4	100
5	100
6	50
8	0
10	0
14	0
16	-25
18	-50

**Information about this graph:**

Water begins to condense at 100 degrees celsius  
 Water begins to freeze at 0 degrees celsius

**Make some predictions and label on your graph:**

1. When is the water in the following forms:  
Solid, Liquid, Gas
2. When is the KE the highest?
3. When is the PE the highest?
4. What sections does the KE change in?
5. What sections does the KE not change in?
6. Where is the condensing point?
7. Where is the freezing point?