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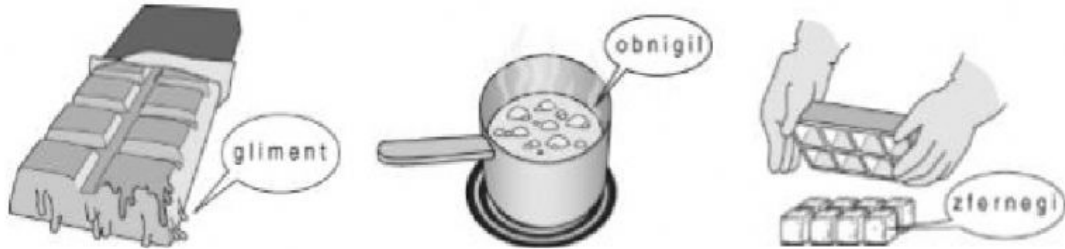
الملف Worksheet about Physical trends in the periodic table

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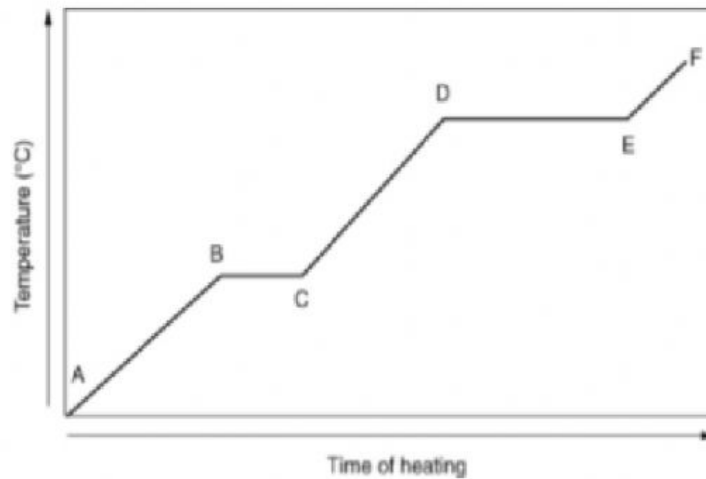
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Arrange the jumbled letters to make a word that describes the change shown in the drawings.



Look at the graph shown below, and then answer the questions which follow.



- What is happening to the temperature in section E to F?
- What is the state of the substance in section A to B?
- What change of state is occurring in section D to E?
- Explain why the temperature doesn't rise in section B to C although heating continues.

The melting points of elements in the periodic table are shown below.

H -259.1						He -268.93	
Li 180.5							
Na 97.8							
K 63.5	Ca 842						
Rb 39.3	Sr 777						
Cs 28.44	Ba 727						
Fr 27	Ra 606						
		B 2075	C 3605 sp	N -210	O -218.79	F -219.68	Ne -248.609
		Al 900.32	Si 1414	P 44.15	S 115.21	Cl -101.5	Ar -189.36
		Ga 29.76	Ge 937.6	As 917	Se 221	Br -157.26	Kr -157.26
		In 156.6	Sn 231.93	Sb 630.63	Te 449.51	I 113.7	Xe -111.74
		Tl 304	Pb 327.46	Bi 271.4	Po 254	At 302	Rn -71

- Name four elements in the halogen group.
- Describe the general trend in melting points down the alkali metal and noble gas groups.
- What is the general trend in melting points down group 6 from oxygen to polonium? Identify any melting point within this group that does not seem to fit the trend.
- The melting points of germanium and bromine are missing. Estimate these melting points and explain your reasoning.

Tick (✓) the correct boxes to show the typical properties of metals and non-metals.

	Good conductors of electricity	Most are brittle when solid	Most have high melting points
Metals	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Non-metals	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>