The Particle Model (F)

 Substances can exist in three states of matter. 	1.	Substances	can exist in	three state	es of matter.	
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What is change of state Y called?

- A Condensing
- **B** Evaporating
- **C** Freezing
- **D** Melting

Your answer

[1]

2. This particle model shows the particles in iron.



What state does this particle model represent?

- A Gas
- **B** Liquid
- C Plasma
- **D** Solid

Your answer

[1]

- 3. Which of these is a physical change?
- A Burning wood
- **B** Melting wax
- C Neutralising an acid
- **D** Rusting iron

Your answer

[1]

i.	Draw a line to match each diag	ram with the correct state of matter.	
	Diagram	State of matter	
	8988	Solid	
		Liquid	
		Gas	
ii.	When a liquid is heated to its bo	oiling point, it will turn into a gas.	[2]
		plain why this is a physical change .	
	coo ino parisolo modor to oxp	sain why this is a physical change .	
			[1]
5 (a) chai		e to form solid iron sulfide. This is an example of a chemical	
Write	e down two ways the student wil	ll know a chemical reaction has taken place.	
1			
2			
-			[2

4. The particle model shows how particles are arranged and how they move in the three states of matter.

(b).	
i.	The particle model shows how particles are arranged and how they move in solids, liquids and gases.
	Describe how the particles are arranged in a solid.
	[2]
ii.	Describe how the particles move in a solid.
	[1]

END OF QUESTION PAPER