ASYNCHRONOUS CLASS ASSIGNMENT - CHEMISTRY

Name: _____ Class: _____

No | **Questions**

1

Separate: Chemistry and Extended Only

The following table gives information about six substances.

Substance	melting point / °C	boiling point /°C	electrical conductivity as a solid	electrical conductivity as a liquid
A	839	1484	good	good
B	-210	-196	poor	poor
C	776	1497	poor	good
D	-117	78	poor	poor
E	1607	2227	poor	poor
F	-5	102	poor	good

a Which substances are solids at room temperature?

Answer:

b Which substance could be a metal?

Answer:

c Which substance is an ionic compound?

Answer:

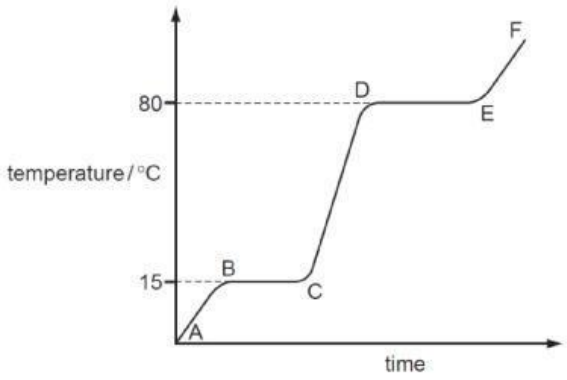
d Which substances are liquids at room temperature?

Answer:

2 Complete **Table 1.1** about solids, liquids and gases.

Table 1.1

	particle separation	particle arrangement	type of motion
solid		regular	vibrate only
liquid	some touching		random
gas	apart	random	

3	a	The diagram shows a heating curve for a sample of compound X.  Is X a solid, a liquid or a gas at room temperature, 20 °C? **Answer:**
	b	Name the change of state which occurs in region DE. **Answer:**
4		Explain the following in terms of the kinetic particle theory. A liquid has a fixed volume but takes up the shape of the container. A gas takes up the shape of the container but it does not have a fixed volume.  **Answer:**