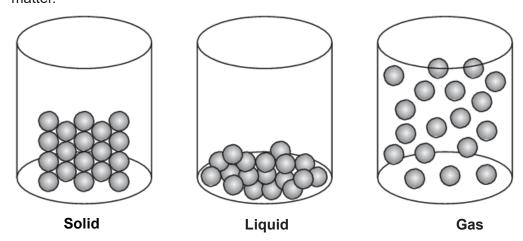


## GCSE Physics B (Twenty First Century Science) J259/02 Depth in physics (Foundation Tier)

**Question Set 27** 

**1** The diagrams show a model for the arrangement of particles in three states of matter.



(a) Complete the following statements about the three states of matter.

Use words from the list.

You may use each word once, more than once, or not at all.

	condensation	evaporation	freezing	melting	sublimation	
	The physical change from a gas to a liquid is called					
	The physical change from a solid to a gas is called					
	The physical change from a liquid to a gas is called					[3]
(b)	Explain why the den	sity of ice is highe	er than the den	sity of water	vapour.	
	Use ideas from the	oarticle model, an	d the diagrams	s to support y	our answer.	[2]

## **Total Marks for Question Set 27: 5**



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