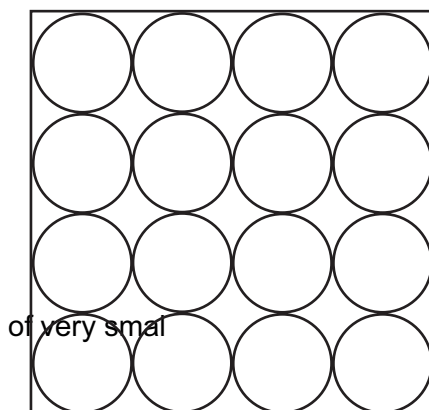


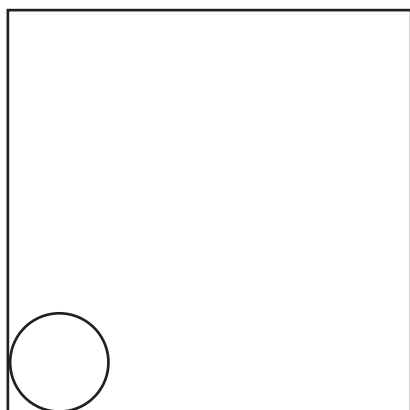
**SMART EXAM RESOURCES**  
**SUBJECT: CHEMISTRY**  
**TOPIC: STATES OF MATTER**  
**SET-1-QP-MS**

- 1** The solid cube is made up of particles. Fig. 6.2 shows their arrangement.

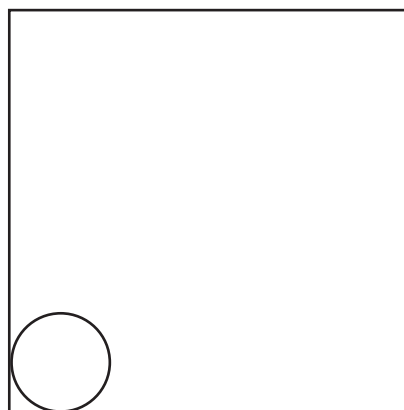


**Fig. 6.2**

- (i) Complete the diagrams below to show the arrangement of particles in a liquid and in a gas.



liquid



gas

[2]

- (ii) Explain your answer to (b)(i) in terms of forces between particles.

.....

.....

..... [2]

## MARKING SCHEME:

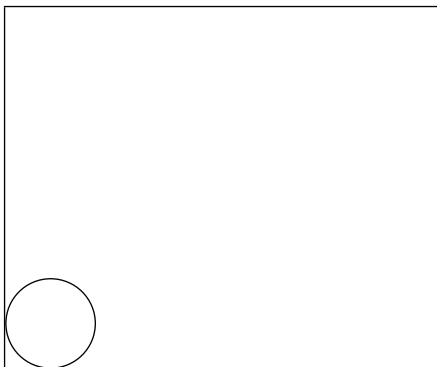
(i) liquid most particles touching and irregular arrangement ;  
gas – spaces between particles and irregular arrangement ; [2]

(ii) reference to forces of attraction ;  
a comparative statement showing forces greater in liquids ; [2]

2 Snow is made of solid ice crystals.

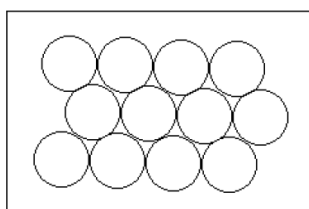
In the box below, draw a diagram to show the arrangement of particles in a solid.

One particle has been drawn for you. You need to draw at least 11 more.

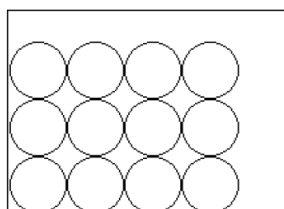


[2]

## MARKING SCHEME:



or



(at least 12 circles in total with approximately uniform diameter)  
diagram must show a regular arrangement ;  
most circles touching ;

[2]