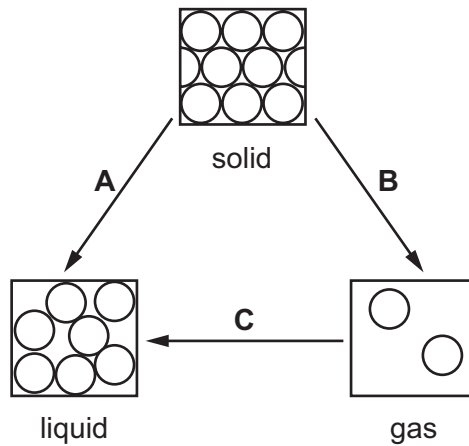


CHANGE OF STATE

1 Matter can exist as solid, liquid or gas. The arrows show some changes of state.



(a) Name the changes of state represented on the diagram.

(i) **A** [1]

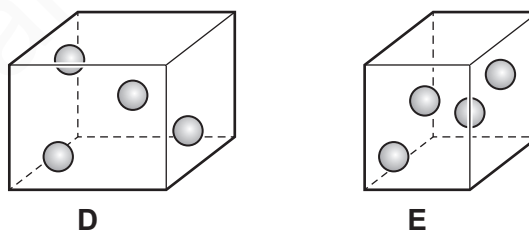
(ii) **B** [1]

(iii) **C** [1]

(b) Explain why energy has to be supplied to turn a liquid into a gas.

.....
..... [1]

(c) The diagrams represent the same number of particles of a gas in two containers, **D** and **E**, which have different volumes. The two containers are at the same temperature.



In which container will the pressure be higher? Explain your answer.

.....
.....
..... [1]

[Total: 5]

MARKING SCHEME:

(a)(i)	melt(ing)	1
(a)(ii)	sublimation / sublime	1
(a)(iii)	condensing / condensation	1
(b)	overcome / break the attractive forces	1
(c)	E AND particles hit the walls (of the container) more often	1