

PROPERTIES OF SOLIDS/LIQUIDS AND GASES

1 Particles behave differently when in different physical states.

- (a) Solids have a fixed volume and a definite shape.
Gases have no fixed volume and take the shape of the container.

Describe the volume and shape of liquids.

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

- (b) Complete the table to show the separation, arrangement and movement of particles in each physical state.

state	separation of particles	arrangement of particles	movement of particles
solid			
liquid	touching one another	randomly arranged	move over one another
gas			

[6]

MARKING SCHEME:

(a)	fixed volume AND take the shape of the container			1
(b)				6
	solid	touching	regular	vibrate
	liquid			
	gas	not touching	random	random