

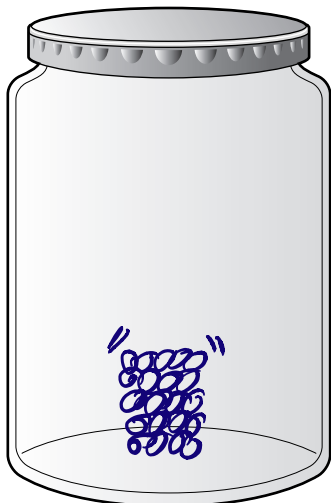
Use with textbook pages 246–253.

## Solids, liquids, and gases

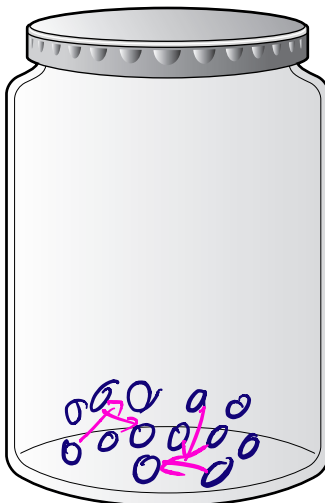
Complete the following table to describe three states of matter. The table has been partially completed to help you.

	Solid	Liquid	Gas
shape	fixed; the shape doesn't change	not fixed; takes the shape of the container	not fixed; takes as much space as possible
volume	fixed volume	fixed volume	not fixed, gas can be compressed
spaces between particles	tightly packed together	a little further apart	very far apart
movement of particles	vibrations	slide past each other	can move freely and quickly in all directions in the container

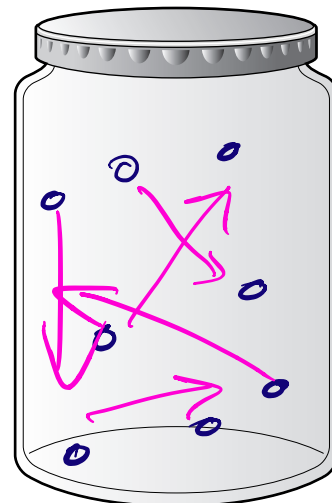
In each of the jars below draw the particles in a gas, a liquid, and a solid. Make sure to indicate whether the particles are moving or vibrating in your diagrams.



solid



liquid



gas