

Matter

1. Particle model

CONCEPT 3

UNDERSTANDING LIQUIDS AND GASES

NOTES

The particles in a **liquid** are a bit more spaced out, but still touching. They can move randomly to change position with one another, enabling the liquid to flow.

The particles in a **gas** are very spaced out and move randomly.

Gas particles inside a container will collide with the walls of the container as they move. This causes **pressure**. The more gas packed into a smaller container, the higher the pressure will be.

Solids and liquids can spread out via **diffusion**. This is where particles move randomly with a net movement from an area of high concentration (many particles) to an area of low concentration (fewer particles). Solids cannot diffuse as the particles cannot move from their positions.