

# STATES OF MATTER

	<b>SOLID</b>	<b>LIQUID</b>	<b>GAS</b>
<b>SHAPE</b>	Retains its own shape	Shape of the portion of the container it occupies	Shape of the container
<b>VOLUME</b>	Retains its own volume	Does NOT expand to fill container	Volume of the container
<b>PARTICLE MOVEMENT</b>	Vibrate in place (fixed positions)	Free to move relative to each other	Complete freedom of motion
<b>DIFFUSION</b>	Extremely slow	Slowly	Rapidly
<b>PARTICLE ARRANGEMENT</b>	Order Close together	Disorder Closer together	Total Disorder Far apart
<b>KINETIC THEORY</b>	Incompressible	Almost Incompressible	Highly Compressible

