

States of Matter

States of matter = the physical form in which a substance can exist - solid, liquid, gas (plasma)



Matter = is made up of tiny particles called atoms and molecules

• to be considered matter:

- has to have mass

- has to occupy space

• always in motion; particles are bumping into one another

State of matter	Shape	Volume	Particle Movement
Solids	Definite (doesn't change)	Definite	Very close, ordered, strong attraction, vibrate in place 
Liquids	Variable (takes shape of container)	Definite	Particles are very close, but they can slide past one another 
Gas	Variable	Variable	Least attracted, large amounts of empty space between particles 