

States of Matter

	solid	liquid	gas	plasma
shape	definite	indefinite (takes shape of container)	indefinite (takes shape of container)	indefinite (takes shape of container)
volumes	definite	definite	indefinite	indefinite
motion of particles	vibrate in place, don't move out of position	slow-can move over or around each other	fast-can move in all directions away from each other	very fast- can move in all directions away from each other
energy of particles	low	medium	high	very high So high that atoms break down into a mixture of positively and negatively charged particles