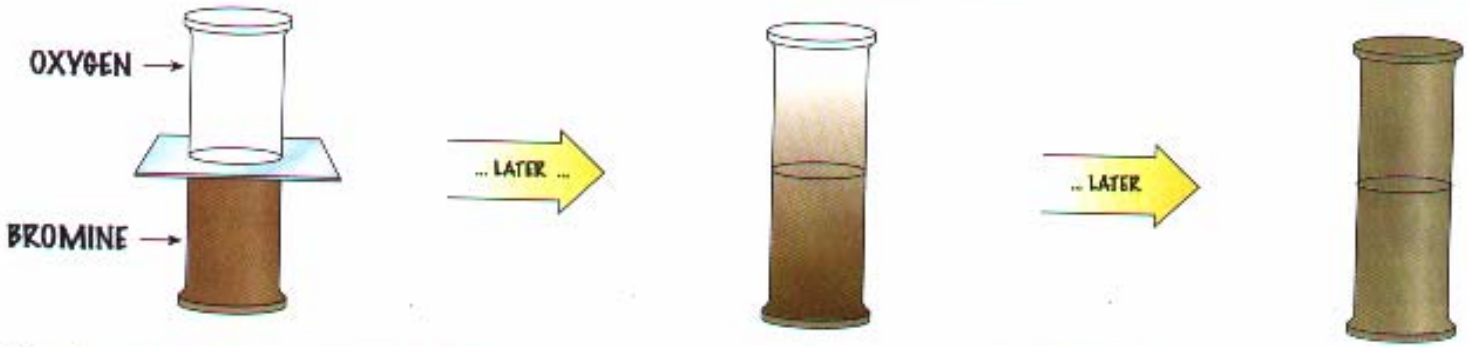
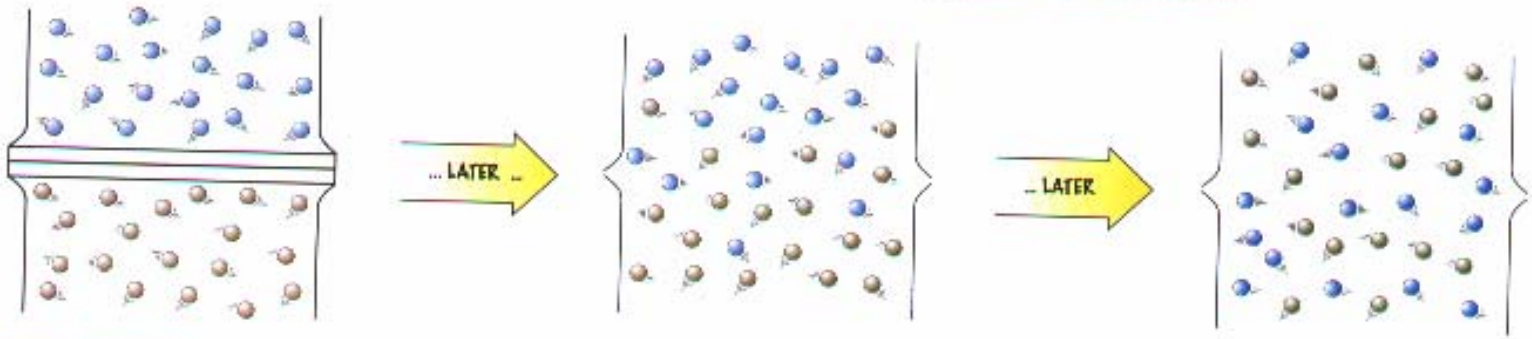
DIFFUSION IN GASES

Diffusion in gases can be demonstrated by taking two jars of gas, one containing OXYGEN and the other BROMINE, a brownish gas. To begin with the two gases are separated from each other.



What has actually happened in the two jars can be explained using **PARTICLE THEORY.**



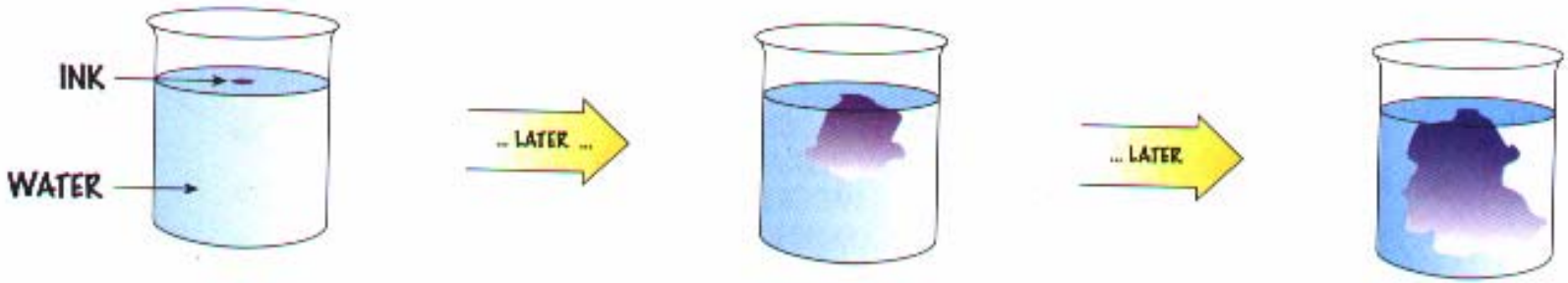
PARTICLES OF OXYGEN AND BROMINE GAS ARE MOVING AROUND VERY QUICKLY

THE SPACES BETWEEN THE PARTICLES ALLOWS THE TWO GASES TO MIX TOGETHER

EVENTUALLY THE PARTICLES ARE EVENLY SPREAD BETWEEN THE TWO JARS

DIFFUSION IN LIQUIDS

Diffusion is also a process that occurs in liquids. The mixing together of the two liquids takes longer since liquid particles move around more slowly than gas particles.



SOLID	Used to describe how particles are arranged and move in each state of matter
LIQUID	Solid, liquids and gases are collectively called this
GAS	A material that does not flow
THREE STATES OF MATTER	The mixing together two gases or liquids
PARTICLES	A material that takes the shape of the bottom of the container
PARTICLE THEORY	This occurs to a material that is heated
EXPAND	A material that has no definite volume
DIFFUSION	Created when gas particles constantly hit the inside surface of a container
GAS PRESSURE	Solids, liquids and gases are made up of these

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