

1 Match the sentence starters, middles and endings. Draw *eight* lines.

Diffusion ...

... in a liquid ...

... occurs faster than in a liquid.

The particle theory ...

... occurs when ...

... are closer together than in a gas.

Diffusion ....

... in a gas ...

... for explaining the properties of matter.

Particles ...

... is useful ...

... particles of one substance spread out and mix with another.

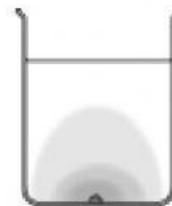
2 The diagrams below show what happens when a coloured crystal is dropped into a beaker of water. Complete the sentences, beside each diagram, to explain what is happening.

a The coloured crystal is placed in a beaker of \_\_\_\_\_.



b The colour starts to spread as the crystal starts to \_\_\_\_\_.

c The colour \_\_\_\_\_ throughout the beaker of water.



d The particles of water and the dark crystal are moving all the time and mix together.

This is called \_\_\_\_\_.