

21 A student is studying Brownian motion.

Using a microscope, she observes particles of smoke in a glass container, illuminated by a strong light. The particles of smoke have a zig-zag path, constantly changing speed and direction.

What happens to the smoke particles if the air in the container is heated?

- A** The smoke particles become easier to see.
- B** The smoke particles change direction more frequently.
- C** The smoke particles increase in volume.
- D** The smoke particles move further apart.

22 The diagram shows two liquids, labelled P and Q, which do not mix. The liquids are in equilibrium