

21 In an experiment to demonstrate Brownian motion, a transparent container is filled with smoke particles suspended in air.

What can be seen when the contents of the container are strongly illuminated and viewed through a microscope?

- A** air molecules that are colliding with smoke particles
- B** air molecules that are moving in straight lines
- C** smoke particles that are moving in random zigzag paths
- D** smoke particles that are moving in straight lines

22 The diagram shows the arrangement of atoms in a particular crystal.