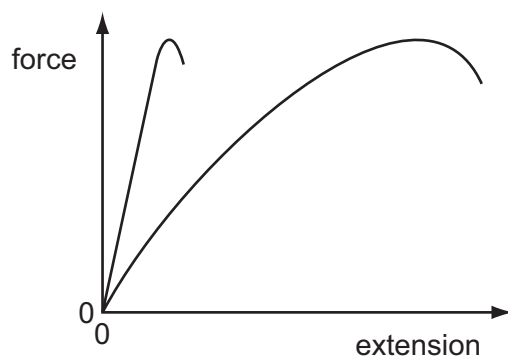


25 What leads to the conclusion that the movement of molecules is random?

- A** evaporation of water at room temperature
- B** conduction of electricity in water
- C** convection currents in air
- D** motion of dust particles in air

26 The diagram shows the force-extension graphs for two materials, of the same dimensions, loaded to fracture.



What describes the behaviour of the materials?

- A** Both materials are brittle.
- B** Both materials obey Hooke's law.
- C** Both materials are plastic.
- D** Both materials have the same ultimate tensile stress.

Space for working