

**18** In the kinetic model of gases, what is pressure equal to?

- A** the number of atoms hitting and rebounding from a surface of the gas container
- B** the number of atoms hitting and rebounding from a unit area of the gas container surface
- C** the force exerted by the atoms hitting and rebounding from a surface of the gas container
- D** the force exerted by the atoms hitting and rebounding from a unit area of the gas container surface

**19** A rectangular metal bar exerts a pressure of  $15\,200\text{ Pa}$  on the horizontal surface on which it rests.