

9 Which statement **defines** force?

- A When a force acts on a body that is free to move, the force is the product of the mass of the body and its acceleration.
- B When a force acts on a body that is free to move, the force is the rate of change of momentum of the body.
- C When a force acts on a body that is free to move, the force is the work done by the force divided by the distance moved by the body.
- D When a force acts on a lever and causes a moment, the force is the moment divided by the perpendicular distance of the force from the pivot.