

**10** Each option gives a correct word equation involving force.

Which option gives the definition of force?

**A** force = energy divided by displacement

**B** force = mass  $\times$  acceleration

**C** force = pressure  $\times$  area

**D** force = rate of change of momentum

**11** Two similar spheres, each of mass  $m$  and travelling with speed  $v$ , are moving towards each other