

17 A body travelling with a speed of 10 m s^{-1} has kinetic energy 1500 J.

If the speed of the body is increased to 40 m s^{-1} , what is its new kinetic energy?

A 4500 J

B 6000 J

C 24 000 J

D 1 350 000 J

18 Which process does not require energy to be supplied?