

17 The pump of a water pumping system uses 2.0kW of electrical power when raising water. The pumping system lifts 16kg of water per second through a vertical height of 7.0m.

What is the efficiency of the pumping system?

A 1.8%

B 5.6%

C 22%

D 55%

18 A body travelling with a speed of 20 m s^{-1} has kinetic energy Σ .