18 A train of mass 300 000 kg is accelerating at $0.80\,\mathrm{m\,s^{-2}}$. At one instant, the speed of the train is $5.0\,\mathrm{m\,s^{-1}}$ and the resistive force to its motion is 15 kN.

At this instant, what is the rate of increase of kinetic energy of the train?

A   0.075 MW   **B**   1.2 MW   **C**   1.3 MW   **D**   3.8 MW