2 The unit of specific heat capacity is $J\,kg^{-1}K^{-1}$.

What is its equivalent in terms of SI base units?

A $kg^{-1}m^2K^{-1}$ **B** $m\,s^{-1}K^{-1}$ **C** $m\,s^{-2}K^{-1}$ **D** $m^2s^{-2}K^{-1}$