

3 The units of specific heat capacity are  $\text{J kg}^{-1} \text{K}^{-1}$ .

What are the SI base units of specific heat capacity?

A  $\text{m s}^{-2} \text{K}^{-1}$

B  $\text{m s}^{-1} \text{K}^{-1}$

C  $\text{m}^2 \text{s}^{-2} \text{K}^{-1}$

D  $\text{m}^2 \text{s}^{-1} \text{K}^{-1}$