

- 17** In a heating experiment, energy is supplied at a constant rate to a liquid. The temperature of the liquid rises at 4.0 K per minute just before it begins to boil. After 40 minutes of boiling, all the liquid has boiled away.

For this liquid, what is the ratio $\frac{\text{specific latent heat of vaporisation}}{\text{specific heat capacity}}$?

A $\frac{1}{160} \text{ K}$

B $\frac{1}{40} \text{ K}$

C 40 K

D 160 K

