

- 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  $\frac{1}{160}$  K

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

C 40 K

D 160 K

