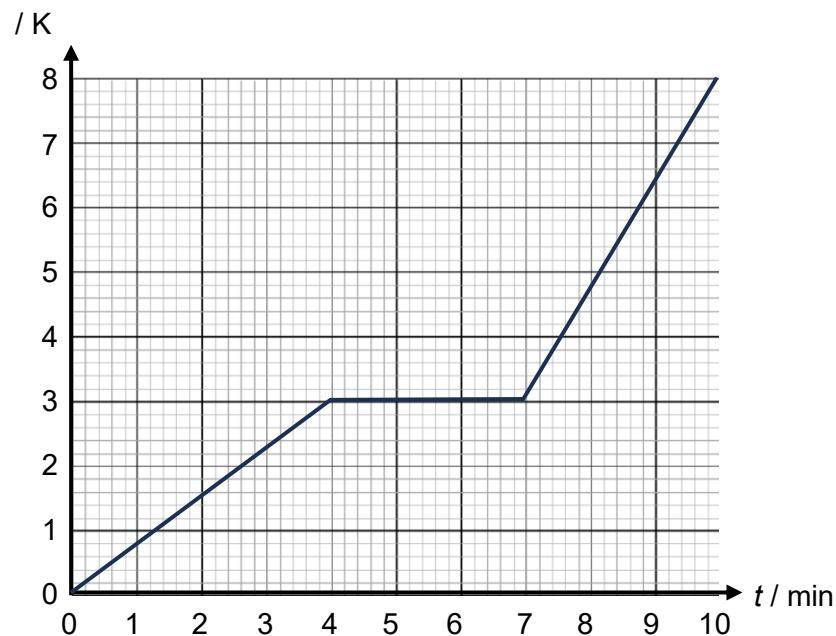


- 14 The graph shows the variation with time t of temperature change $\Delta\ell$ for 1 kg of a substance, initially solid at room temperature. The substance receives heat at a uniform rate of 2000 J min $^{-1}$.



What can be deduced from this graph?

- A The specific heat capacity of the substance is greater when liquid than when solid.

- B** The specific latent heat of fusion of the substance is 6000 J kg^{-1} .
- C** The substance melts at a temperature of 3 K.
- D** After 10 min, the substance is all gaseous.