

- 13** An experiment was carried out to determine the specific latent heat of fusion of an unknown solid. Two power settings were used.

The power rating of the heater P and the time t to melt 3.0 kg of the solid were recorded in the table below.

P / W	t / min
650	2.0
1200	1.0

What is the specific latent heat of fusion of the solid?

- A** 22 kJ kg^{-1} **B** 24 kJ kg^{-1} **C** 25 kJ kg^{-1} **D** 26 kJ kg^{-1}