

- 13** The specific latent heat of vaporisation of water at 20 °C is appreciably greater than the value at 100 °C. This is because
- A** the specific latent heat at 20 °C includes the energy to raise the temperature of one kilogram of water from 20 °C to 100 °C.
 - B** more work must be done in expanding the water vapour against atmospheric pressure at 20 °C than at 100 °C.
 - C** the molecules in the liquid are more tightly bound to one another at 20 °C than at 100 °C.
 - D** vaporisation of water can only take place at 100 °C.