

- 12** A small ice cube of mass 30 g is heated. It changes from the solid state to the liquid state. During this change in state, the temperature of the substance does not change.

Which statement about this change in state is not correct?

- A** The internal energy of the molecules remains the same.
- B** The kinetic energy of the molecules remains the same.
- C** There is positive work done on the system as the ice melts.
- D** The amount of energy the ice absorbs is not equal to the specific latent heat of fusion.