

- 14 Which of the following statements concerning phase change and internal energy is **false** ?
- A During boiling, all the heat supplied causes both the internal kinetic and potential energies to increase.
  - B During melting, all the heat supplied causes the increase in internal potential energy only.
  - C The mean kinetic energy of the liquid molecules at boiling point is about the same as that of the molecules which have just vaporised.
  - D The mean kinetic energy of the molecules just before and after melting is about the same.

