

15 Which of the following statements is incorrect?

- A The internal energy of an ideal gas depends only on its kinetic energy.
- B When an ideal gas undergoes an isothermal change, there is no change in internal energy.
- C When an ideal gas undergoes an adiabatic compression, there is work done on the system.
- D The First Law of Thermodynamics states that the change in internal energy of a system is the sum of heat supplied to the system and the work done on the system.