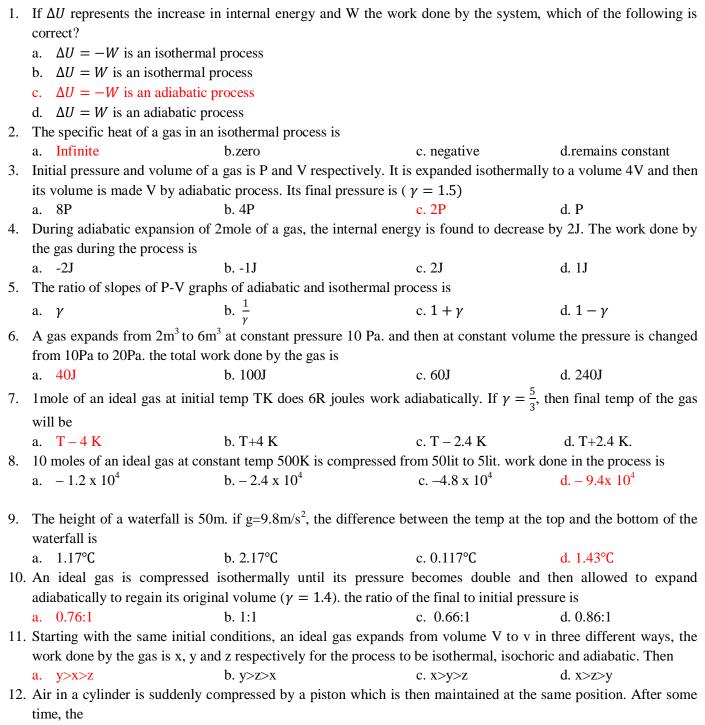


Class – XI

Chapter - Thermodynamics

Choose the correct option for the following questions.



a. Pressure will increase

b. Pressure will decrease



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 $1 \times 15 = 15$ 

- c. Remains same
- d. Becomes zero
- 13. The internal energy of a gas during isothermal expansion
  - a. Increases
  - b. Decreases
  - c. Becomes zero
  - d. Remains constant
- 14. When a gas expands adiabatically
  - a. Law of conservation does not hold
  - b. Internal energy of the gas is used in doing work
  - c. No energy is required for expansion .
  - d. None
- 15. In an adiabatic process, the quantity which remains constant is
  - a. Volume
  - b. Pressure
  - c. Temperature
  - d. Total energy of the system

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