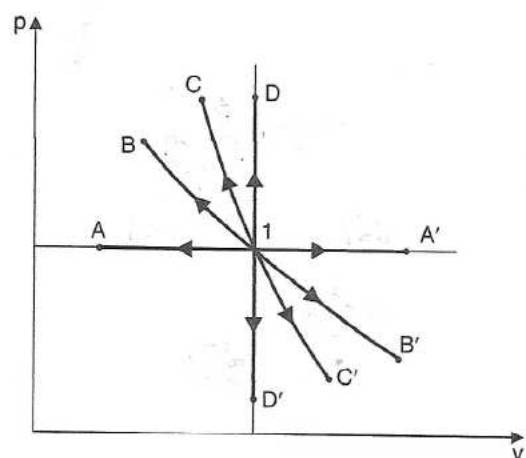


1. Match the figure parts on the illustrated PV diagram for an ideal gas with its physical interpretation. The origin is at 1.

Segment:

- a) 1 to A
- b) 1 to B
- c) 1 to C
- d) 1 to D
- e) 1 to A'
- f) 1 to B'
- g) 1 to C'
- h) 1 to D'



Physical Interpretation:

- i) isothermal expansion
- ii) isochoric cooling
- iii) isobaric heating
- iv) adiabatic compression
- v) isobaric cooling
- vi) isothermal compression
- vii) isochoric heating
- viii) adiabatic expansion