



SoulShift - Educational Q&A Platform

General Questions

Practice Questions



Q1. In a closed system, if the internal energy increases, what must happen to the heat and work?

- A. Heat must be added or work must be done on the system
- B. Heat must be removed or work must be done by the system
- C. Both heat and work must be removed
- D. Neither heat nor work affects internal energy

Solution: In a closed system, if the internal energy increases, it means that heat must be added or work must be done on the system.

Q2. What is the main advantage of using a Carnot engine?

- A. It operates at maximum efficiency
- B. It is easy to construct
- C. It requires no fuel
- D. It can operate in any environment

Solution: The main advantage of using a Carnot engine is that it operates at maximum efficiency, as it is an idealized engine.



