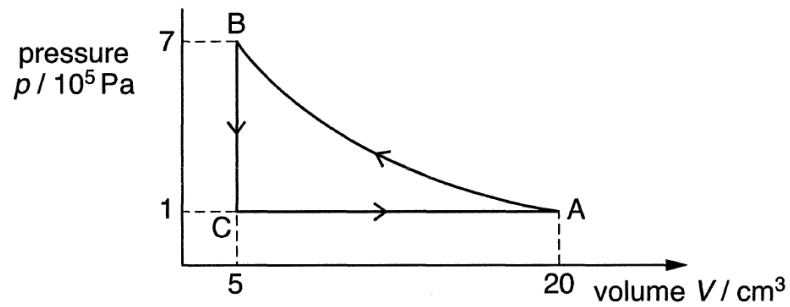


11

An ideal gas undergoes a cycle of changes $A \rightarrow B \rightarrow C \rightarrow A$, as shown.



Which of the following statements is correct?

A

Process $A \rightarrow B$ is isothermal.

B

Process $B \rightarrow C$ is isochoric.

C

Work of 15 J is done by the gas in process $C \rightarrow A$.

D

The internal energy of the gas is zero.