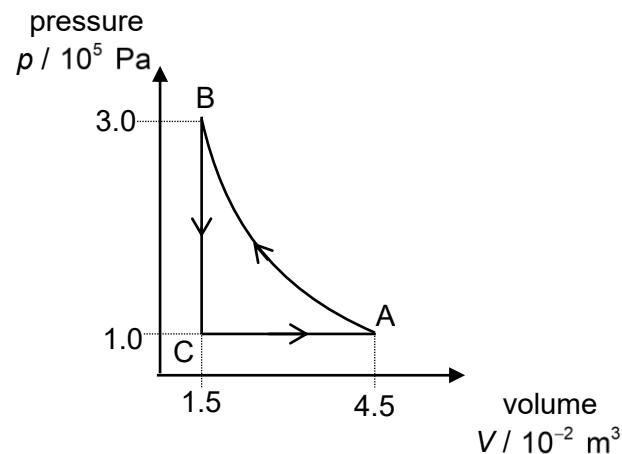


- 14 The figure below shows the  $p$ - $V$  graph of a fixed mass of ideal gas in cyclic process involving the three states A, B and C.



Which of the following statements about the processes is **false**?

- A Energy is supplied to the gas from C to A.
- B The net work done by the system is negative in value.
- C The net increase in internal energy for the cyclic process is zero.
- D The gas molecules have the highest root mean square speed at state B.

