

- 20** Which condition must apply for the work done by an expanding gas to be  $p\Delta V$ , where  $p$  is the pressure of the gas and  $\Delta V$  is its change in volume?
- A** No thermal energy must be supplied to the gas.
  - B** The expansion must be at a constant rate.
  - C** The pressure must be constant.
  - D** The temperature of the gas must be constant.