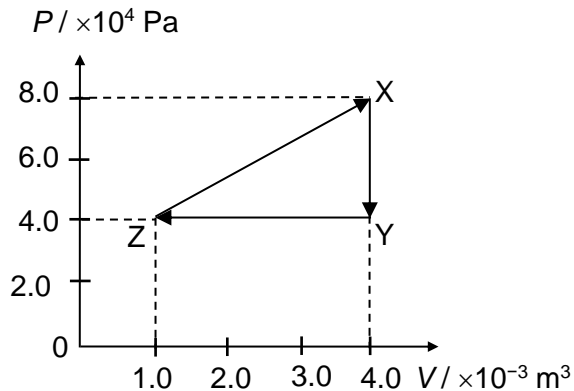


- 14 A gas undergoes one cycle of pressure and volume changes  $X \rightarrow Y \rightarrow Z \rightarrow X$  as shown.



What is the net work done on the gas?

- A** - 180 J                      **B** - 60 J                      **C** 60 J                      **D** 120 J

- 15 Which of the following is not a component of the total energy of a black body radiator?