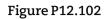
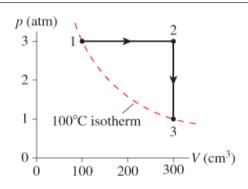
**102.** || A monatomic gas follows the process  $1 \rightarrow 2 \rightarrow 3$  shown in Figure P12.102<sup>[]</sup>. How much heat is needed for (a) process  $1 \rightarrow 2$  and (b) process  $2 \rightarrow 3$ ?





**102.** || A monatomic gas follows the process  $1 \rightarrow 2 \rightarrow 3$  shown in Figure P12.102<sup>[]</sup>. How much heat is needed for (a) process  $1 \rightarrow 2$  and (b) process  $2 \rightarrow 3$ ?

PV=mRT

