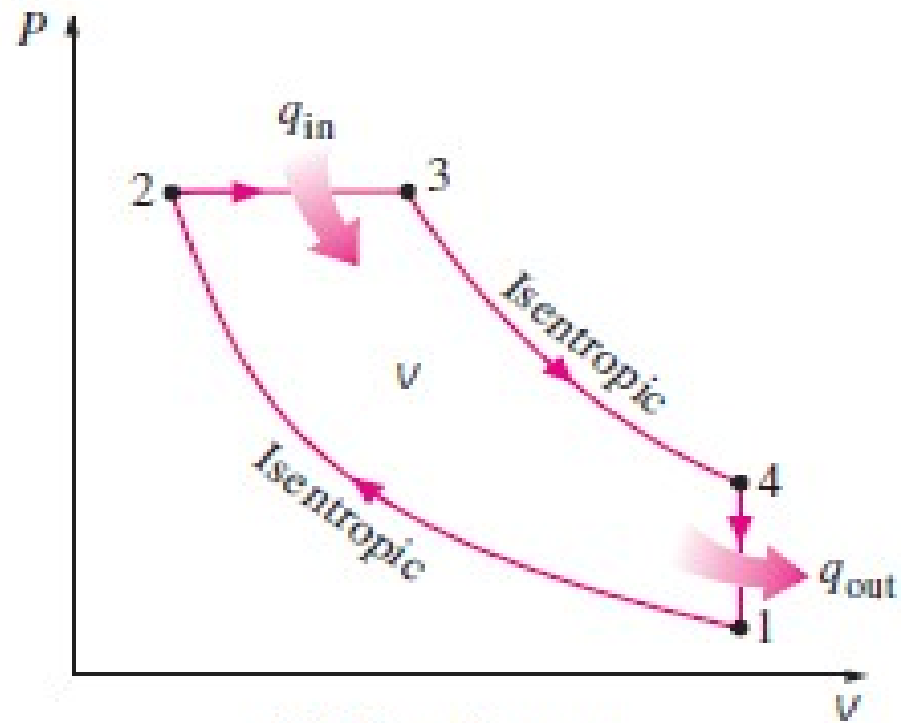
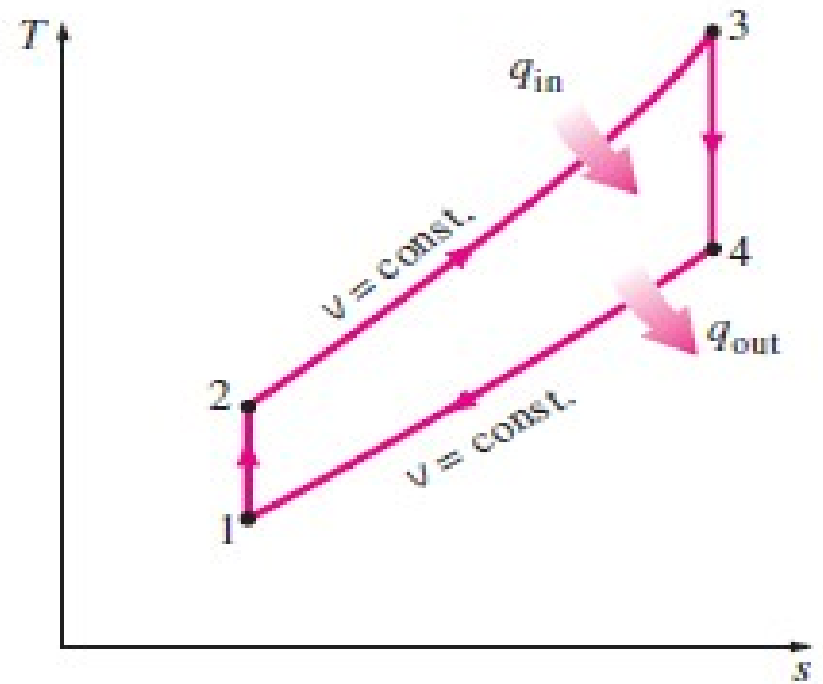
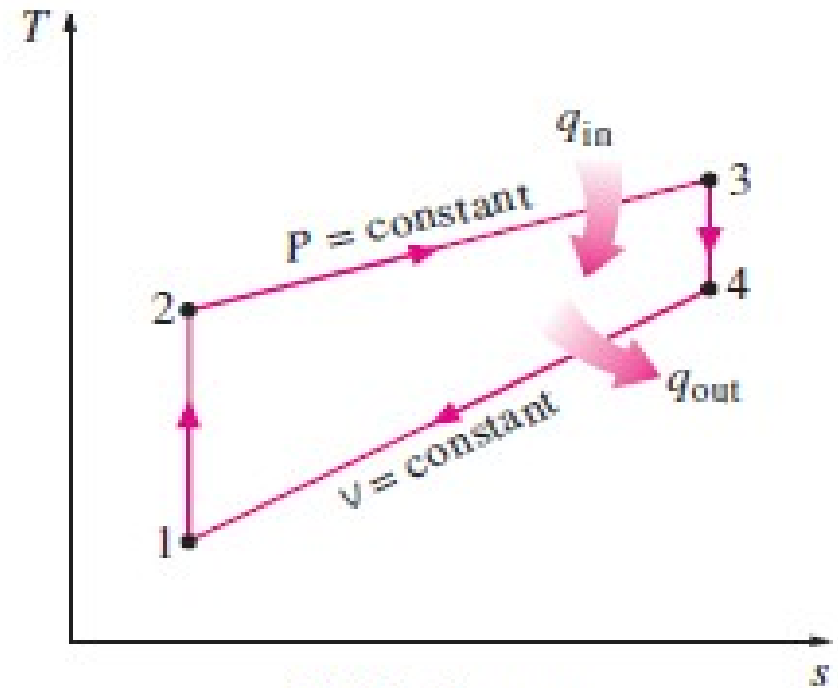


**Otto  
Cycle**



**Diesel  
Cycle**



(a)  $P$ - $v$  diagram

(b)  $T$ - $s$  diagram