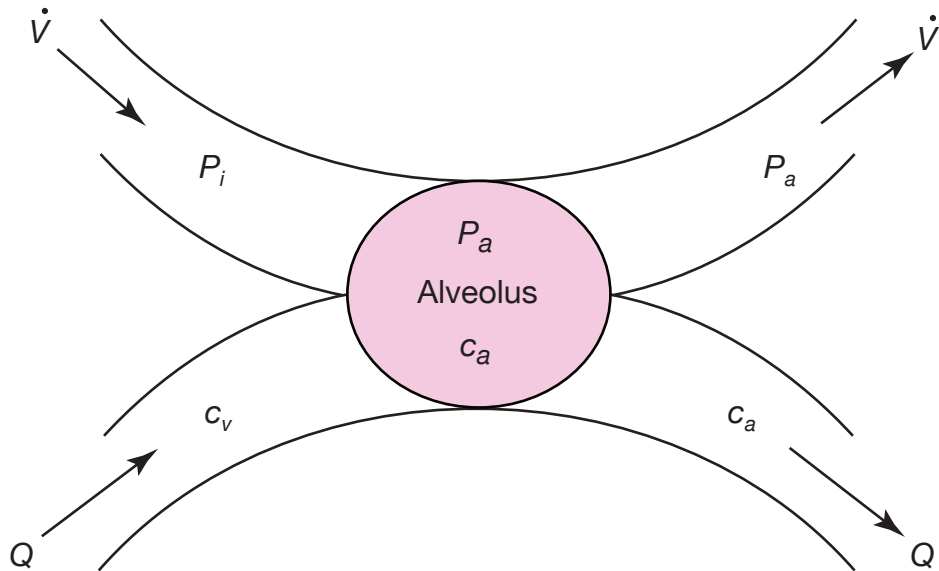


$$P_{i,O_2} = 150 \text{ mm Hg}$$

$$P_{i,CO_2} = 0 \text{ mm Hg}$$



$$P_{v,O_2} = 40 \text{ mm Hg}$$

$$P_{v,CO_2} = 45 \text{ mm Hg}$$