

Problems -- Gas Laws

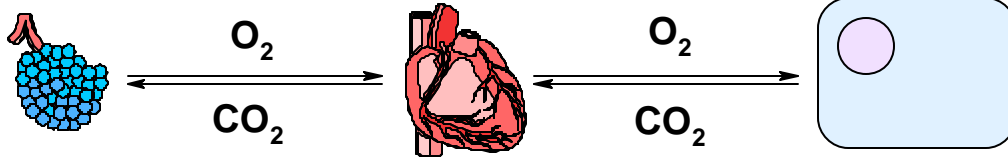
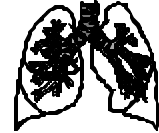
A sample of O_2 at $25^\circ C$ occupies a volume of 500 mL at 1.50 atm. What pressure is needed to compress the gas to 150 mL?

What volume of N_2 would result when 0.100 L of N_2 is heated from 300K to 350K at 1.0 atm?

He gas has a volume of 1.27 L at 149 K and 5.0 atm. When gas is compressed to 0.320 L at 50.0 atm what is the temperature?

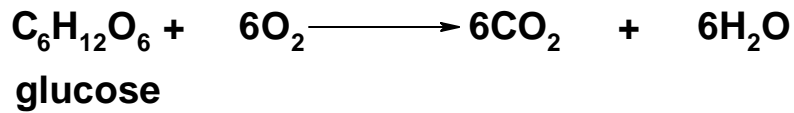


Respiration

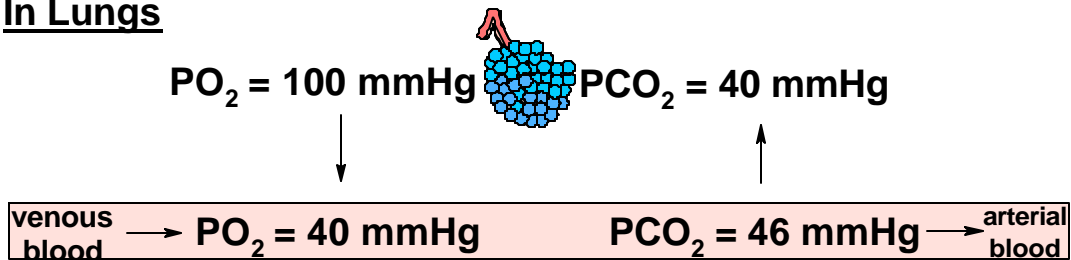


Arteries carry O_2 rich blood to tissues

Veins carry CO_2 from tissues back to lungs



In Lungs



In Tissues

