

**Table 9.5.** Volume, density, and mass of the air in the lungs of a scuba diver and the lungs of a free diver at different depths

Depth (m)	Pressure (atm)	Volume of lungs (L)		Density of air in lungs (g/L)		Mass of air in lungs (g)	
		Free diver	Scuba diver	Free diver	Scuba diver	Free diver	Scuba diver
0		5	5	1.3	1.3	6.5	6.5
10							13.0
20		1.66					
30				5.2			