1. What is the total volume occupied by 132 grams of CO ₂ (g) at STP?		6. Which quantity of N ₂ gas has a volume of 11.2 liters at STP?			
A) 22.4 LC) 44.8 L	B) 33.6 LD) 67.2 L		A) 1.0 moleC) 14.0 grams	B) 2.0 molesD) 28.0 grams	
 At STP, what is the total volume occupied by a 2.00-gram sample of H₂(g)? 		7.	7. What mass of carbon dioxide occupies a volume of 22.4 liters at STP?		
A) 1.00 L C) 11.2 L	B) 2.00 LD) 22.4 L		A) 22.0 gC) 66.0 g	B) 44.0 gD) 88.0 g	
3. The volume occupied by 9.03×10^{23} molecules of N ₂ gas at STP is closest to		8.	8. At STP, 44.8 liters of CO ₂ contains the same number of molecules as		
A) 0.500 literC) 22.4 liters	B) 1.50 litersD) 33.6 liters		A) 1.00 mole of HeC) 0.500 mole of H₂		
4. What is the total volume, in liters, occupied by 56.0 grams of nitrogen gas at STP?		9. What is the volume occupied by 11.0 grams of a gas at STP if the molecular mass of the gas is 44.0?			
A) 11.2 B) 22.4 C	C) 33.6 D) 44.8		A) 5.60 L	B) 11.2 L	
 5. Which quantity contains a total of 3.01 × 10²³ molecules of Cl₂ at STP? A) 11.2 ℓ B) 70.0 g 		1(C) 22.4 L D) 89.6 L 10. What would be the volume of 0.500 mole of an ideal gas at STP? 		
C) 22.4 ℓ	D) 17.0 g		A) 0.500 LC) 22.4 L	B) 11.2 LD) 44.8 L	