Chapter 7 Problem I			Name			
3.	3. How many moles is 2.80 x 10^{24} atoms of silicon?					
4.	How many molecules is 0.360 mol of water?					
5.	How many atoms are there in 1.14 mol of SO_3 ?					
6.	. How many moles are there in 4.65 x 10^{24} molecules of NO ₂ ?					
7.	Find the gram molecul a) C_2H_6	ar mass of each com b) PCl ₃	npound c) C₃ł	1 ₇ ОН	d) N ₂ O ₅	
8.	What is the mass of 1. a) chlorine	00 mol of each subs b) nitrogen dioxide	tance?	c) carbon tetrabron	nide	
9.	Calculate the gram for a) K_2O	mula mass of each io b) CaSO₄	onic co	mpound. c) Cul ₂		
10. Find the gram formula mass of each compound a) barium fluoride b) strontium cyanide			ound. e	und. e c) sodium hydrogen carbonate		
11. Describe the relationship between Avogadro's number and one mole of any substance.						
13. How many oxygen atoms are in each substance? a) NH ₄ NO ₃ b) C ₈ H ₈ O ₄ c) O ₃ d) C ₃ H ₅ (NO ₃) ₃						
14. How many moles is each of the following? a) 1.50 x 10^{23} molecules NH ₃				b) 1 x 10 ⁹ molecules O ₂		
	c) 6.02 x 10^{22} molecules Br ₂		d) 4.81 x 10 ²⁴ atoms Li			

47. Which contains more molecules: 1.00 mol H_2O_2 , 1.00 mol C_2H_6 , or 1.00 mol CO?

More Practice Questions:

1. How many atoms are in 1.00 mole of sucrose, $C_{12}H_{22}O_{11}$?

2. How many atoms of C are in 2.0 moles of $C_{12}H_{22}O_{11}$?