

Chapter 2.7 & 3

Worksheet #1

Directions

Break up into groups of four and complete the following questions. Each group will be required to write their answer to a random question on the board.

Molecular Formula	Name	Molar Mass
PF ₆		
NO ₃ ⁻		
Mn(ClO) ₂		
	Dinitrogen Trioxide	
	Heptaoxygen Trichloride	
	Sodium Arsenate	
	Titanic Oxalate	
	Calcium Sulfide	
NO ₃		
	Tin(IV) Oxide	
	Hydrosulfuric acid	

Calculate the following.

1. If you have 45 g of ferric oxide how many moles of ferric oxide do you have?
2. If you have 45 g of ferric oxide how many molecules of ferric oxide do you have?
3. If you have 45 g of ferric oxide how many oxygen atoms do you have?
4. If you have 3.45874×10^{45} molecules of chlorine gas, how many grams of chlorine gas do you have?
5. How many total protons exist in 75 g of disulfur triiodide?