4.2 Worksheet

lame:				
1.	What is the atomic number for the following atoms?			
	He	Co	Hg	Pa
2.	How many neutrons are in the following atoms?			
	He	Co	Hg	Pa

- 3. What is the average atomic mass for the following atoms
 - a. X-45 (45%), X-46 (55%)

b. Gk-123 (10%), Gk-125 (30%), Gk-126 (60%)

- 4. Circle the more common isotope?
 - a. Ca-40 or Ca-41
 - b. Br-79 or Br-80
 - c. Na-22 or Na-23
- 5. What is the molar mass for the following?
 - a. Ca _____
 - b. Mn _____
 - c. Water _____
 - d. Mn(OH)₂ _____
- 6. How many moles are there in 456 grams of Calcium?

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- 7. How many moles are there in 456 grams of Silicon?
- 8. How many grams in 12 moles of H₂O₂?
- 9. How many moles are there in 85211 grams of Uranium?
- 10. How many particles of gold are present in 45 moles of gold?
- 11. How many moles are there in 50 grams of CO₂?
- 12. How many moles are there in 2.66 x 10^{24} atoms of Iron?
- 13. How many molecules of Fe₂O₃ are there in 15.5 moles of Fe₂O₃?
- 14. How many moles are there in 8.88 x 10²⁸ atoms of Iron?
- 15. How many moles are there in 4.5×10^{20} molecules of water?

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