SI Worksheet

2/17/22

Agenda:

Worksheet

1. Calculate the Formula Weight of each compound

C12H10O6 PbHAsO4 CH2(OH)2 C(NH2)3NO3

* 1. How many moles are in 15 grams of silicon?

Number of Si atoms?

* 1. How many Neon atoms are in 4.28 moles of Neon?
  2. How many atoms are in 3.58 grams of Boron?
  3. How many nitrogen atoms are in a sample of 17.980 grams of C(NH2)3NO3?

\*Hint: you calculated the formula weight above!

1. Write the formula of each ionic compounds

Calcium & Chlorine Barium (Ba) & Oxygen Aluminum &Sulfur

Chromuim (III)& Oxygen Lithium & Bromine

1. Name or write formula of each compound

|  |  |  |
| --- | --- | --- |
| dichlorine heptoxide | S2Cl2 | dinitrogen tetroxide |
| CuSO4 | NH4Cl | Fe3(PO4)2 |
| CF4 | Lithium Acetate | Al(CN)3 |

* 1. What is the name of ClO2?

PO4?

SO3?

* 1. What is the formula of carbonate ion?

Nitrate ion?

Chlorate ion?