

Tutorial 0010

1. How many moles are there in 50.1 g of $\text{CuSO}_4 \cdot 5\text{H}_2\text{O}$?

2. Calculate the mass in kilograms of 5.1×10^{22} molecules of H_2S .

3. List properties of metals and nonmetals:

Metals

Nonmetals

4. List elements from group IA in order by decreasing electronegativity:

5. List elements from period 2 in order by increasing atomic radius:

6. Write names of the following groups from the periodic table:

IA _____

IIA _____

VIIA _____

VIIIA _____