

Mole, Molar mass, mass, Number of particles worksheet

- 1. What is the number of mole in a mass of 10.0 g iron**

- 2. Calculate the mass of 1.2×10^{23} atoms of aluminum**

- 3. Determine the number of atoms in 2.30 g of sodium**

- 4. What is the molar mass of $\text{CuSO}_4 \cdot 5\text{H}_2\text{O}$**

- 5. If 2.5 moles of Al_2O_3 weighs 67.5g. What is the molar mass of Al_2O_3 ?**

- 6. Calculate the mass of the following:**
 - a. 4.2 mol of helium**

 - b. 8.11×10^{-2} mol of lead (II) nitrate**