

Moles Worksheet

- 1) Define "mole".
- 2) How many moles are present in 34 grams of $\text{Cu}(\text{OH})_2$?
- 3) How many moles are present in 2.45×10^{23} molecules of CH_4 ?
- 4) How many grams are there in 3.4×10^{24} molecules of NH_3 ?
- 5) How much does 4.2 moles of $\text{Ca}(\text{NO}_3)_2$ weigh?
- 6) What is the molar mass of MgO ?
- 7) How are the terms "molar mass" and "atomic mass" different from one another?
- 8) Which is a better unit for expressing molar mass, "amu" or "grams/mole"?

Mole Calculation Practice Worksheet

Answer the following questions:

- 1) How many moles are in 25 grams of water?
- 2) How many grams are in 4.5 moles of Li_2O ?
- 3) How many molecules are in 23 moles of oxygen?
- 4) How many moles are in 3.4×10^{23} molecules of H_2SO_4 ?
- 5) How many molecules are in 25 grams of NH_3 ?
- 6) How many grams are in 8.2×10^{22} molecules of N_2I_6 ?