

Practice Problems: Stoichiometry Part 1

1. How many moles are in 8.22×10^{24} atoms of Li?
2. How many atoms of Na are in 120 grams of Na_2CrO_4 ?
3. How many molecules are in 325 grams of $\text{Mg}(\text{OH})_2$?
4. How many liters of space are taken up by 44 grams of N_2 gas?
5. How many molecules are in 5.11 L of CO_2 gas?
6. How many atoms are in 100 grams of Fe?
7. How many liters of space are taken up by 5.00×10^{24} molecules of O_3 gas?
8. How many moles are in 65.2 grams of $\text{NaC}_2\text{H}_3\text{O}_2$?
9. How many moles are in 15.1 liters of F_2 gas?
10. How many atoms of S are in 2 moles of the allotrope S_8 ?