

1. What is the molecular weight of propane (C_3H_8)? What is the %C in propane?
2. What mass of propane contains 2.2 grams of C?
3. How many grams are in 2.0 moles of KCl?
4. How many moles are in 2.0 grams of KCl?
5. What mass in grams of sodium atoms contains 3×10^{18} atoms?
6. What mass of iron contains as many atoms as 5.9 grams of Co?
7. What is the mass in grams of a single fluorine atom?
8. How many moles of lithium do 4×10^{33} lithium atoms represent?
9. What is the %K in $K_2Cr_2O_7$?
10. What mass of oxygen have you consumed if you drink 8.0 g of ethanol (C_2H_6O)?
11. How many moles of Si has as many Si atoms as the number of atoms in 4.0 g of Ca?
12. How many atoms are in 3.2 g of methanol (CH_4O)