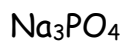
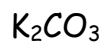


Part 1: Molar Mass

Use the periodic table to find the molar masses of the following.

Part 2: Mole Conversions

Work each of the following problems. **SHOW ALL WORK.**

1. How many atoms are in 6.2 moles of aluminum?
2. Convert 5.3×10^{25} molecules of CO_2 to moles.
3. How many formula units of sodium acetate are in 0.87 moles of sodium acetate?
4. Convert 3.55 moles NaCl to formula units.

5. Convert 3.00 moles As_2S_3 to grams.
6. How many moles are represented by 11.5 g of $\text{C}_2\text{H}_5\text{OH}$?
7. What is the mass of 9.30 moles of SiH_4 ?
8. Convert 8.00×10^{20} molecules of H_2 to moles.
9. How many atoms of tin are found in 3.50 moles of tin?
10. How many grams of tin are found in 3.50 moles of tin?

Bonus: How many atoms of hydrogen are found in 12.6 moles of water?