

1.	a) Aluminum iodate b) Ammonium acetate
	c) BaCl ₂ -2H ₂ O
2.	Calculate the percent composition by $ extit{atom}$ of all atoms for each of the chemical formulas in question 1.
3.	Calculate the formula masses of each of the following chemical species. a) Stannous chlorate
	b) Dinitrogen pentoxide
	c) Copper (II) hydroxide
4.	Calculate the percent composition by mass of all atoms for each of the chemical formulas in question 3
5.	Calculate the mass of He atoms required to have the same number of He atoms as $34.49~\mathrm{g}$ of Na.
6.	How many grams of CO_2 are required to have the same number of CO_2 molecules as 25.648 g of S_8 ?
7.	Calculate the number of moles in a) 12.5 g of $AI(CIO_3)_3$
	b) 2 formula units of lead (II) chloride
8.	Calculate the mass in grams of a) 0.1 mol of sodium thiosulfate
	b) 3.0×10^{26} molecules of octa-atomic sulfur
9.	Calculate a) the number of atoms in 2.5 mol of Al atoms
	b) the number of F atoms in 20.73 g of XeF4.