

Practice Problems - Percent Composition, Empirical and Molecular Formulas

- C: 40%
H: 7%
O: 53%
- C: 38.8%
H: 9.6%
S: 51.6%
- C: 1.82 g
N: 0.11 g
O: 0.64 g
- Cl: 69.359%
O: 10.43%
P: 20.20%
- O: 29.6%
F: 70.4%
- | | |
|-------------------|----------------------|
| Urea: | 46.7% |
| Ammonium nitrate: | 35.0% |
| Guanidine: | 73.7% |
| Ammonia: | 82.4% *RICHEST in N* |
- $C_5H_{10}O$
- $ZnCl_2$
- $AlCl_3$
- $KMnO_4$
- $Al_2(SO_4)_3$ or $Al_2S_3O_{12}$
- C_3H_8N
- $C_2H_3NO_5$
- N_2O_4
- C_2H_6
- P_4O_{10}
- $C_5H_{10}O_2$
- $NaC_5H_8O_4N$
- $C_8H_{10}N_4O_2$
- $Na_2B_4O_7 \cdot 10H_2O$
Sodium tetraborate decahydrate