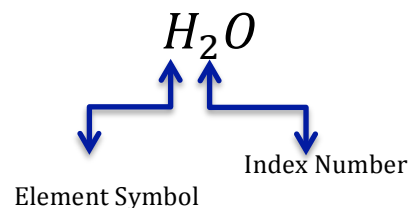


NOMENCLATURE OF COMPOUNDS

IUPAC (International Union for Pure Applied Chemistry)

- Function: Name compound
- Based on chemical formula
 - o Empirical formula (simplified)
 - Empirical formula of molecule of Element



Elements	Molecular Formula	Empirical Formula
Hydrogen	H^+	H
Oxygen	O^{2-}	O

- Empirical formula of molecule of compound covalent

Elements	Molecular Formula	Empirical Formula
Butane	C_4H_{10}	C_2H_5
Glucose	$C_6H_{12}O_6$	CH_2O

- Empirical formula of ionic compound

- o Molecular formula (actual no. Of atoms)

NOMENCLATURE

1. Nomenclature of ORGANIC compounds

- Berasal dari makhluk hidup.
- Mengandung: C, H, O, N (contoh : CH_3OH , CH_4 , HNO_3)
- Yang mengandung karbon belum tentu organik, yang organik pasti mengandung karbon.

2. Nomenclature of INORGANIC compounds

a. Binary compounds of Metal and Non Metal (ionic compound)

i. Made up of ions

- Cations: ion positif: metal
- Anions: ion negatif: non metal