

## Molecules: 2 or more atoms bonded together -usually non-metals (H too) element symbol (H) H), H-H, H2 (#atoms) hydrogen: space-filling formula structural Formula chemical formula - diatomic molecule (2 atoms) a, ( polyatomic molecule hydrogen peroxide Moleculor formulas - count of type + # atoms in the molerule

Ch3. Moleculis + Compounds

Empirical Genulas	
-give simplest, whole # ratio!	
molecular empirical	
molecular empirical $H_2O_2 = HO$	
(molerular)	
2:2	,
2:2 1:1	
H20 H20	
2:1 =1 =2:1	:
C6H12O6 CH2O	
C6H12O6 CH2O 6:12:6 6 1:2:1	
-6	
Molecular compounds: Non-metal elements.	
Ionic compounds often metals often non	2/2/20
Ionic compounds often metals often non	_mclow
-contain cations (+) + anions (-)	
golden-rule: charges must rancel	
as many @ as @	
ex: Na Cl	formula
1:1 (golden rule)	unit
	Nata Nata
formula: NaCl	a Nat a Nat Nat a
charges they've can	nceled!

