

## 1.3 Naming of Covalent Compounds

### Covalent Compounds (non-metal w/ non-metal)

#### 1. Special cases (commonly containing H)

Chemical Formula	Name of the pure substance
HF	Hydrogen Fluoride
HCl	Hydrogen chloride
HBr	Hydrogen bromide
HI	Hydrogen iodide
H <sub>2</sub> S	Hydrogen sulfide
NH <sub>3</sub>	Ammonia
PH <sub>3</sub>	Phosphine
SiH <sub>4</sub>	Silane
CH <sub>4</sub>	methane
H <sub>2</sub> O	Water
H <sub>2</sub> O <sub>2</sub>	Hydrogen peroxide

#### 2. Regular cases (two elements can form different compounds)

Prefix

Numeral	1	2	3	4	5	6	7	8	9	10
Prefix	mono-	di-	tri-	tetra-	penta-	hexa-	hepta-	octa-	nona-	deca-

Chemical formula	Name of compound
CO	
CO <sub>2</sub>	

N<sub>2</sub>O