

Covalent Molecule Naming (Nomenclature)

Feb-16-2024 8:36 PM 1/3

Form: $\frac{\text{Prefix}}{\text{(no mono)}} \text{Element (A)} \frac{\text{Prefix}}{\text{(Y)}} \text{Elemention (-ide)} \text{(B)}$

Prefixes

1: Mono

2: Di

3: Tri

4: Tetra

5: Penta

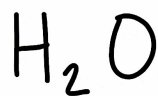
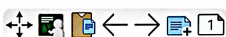
6: Hexa

$A_x B_y$ $\leftarrow$ Ion Name

$\leftarrow$ Prefix Prefix
Non-Metal Name

First Prefix: (1) No mono

No Prefix = 1



Feb-16-2024 8:36 PM 2/3

Common: Water

Science: Dihydrogen

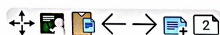
Name Element
(no change)

Di = 2

Mon = 1

Monoxide
Prefixes
(# atoms)

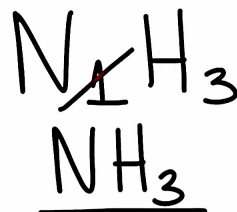
Second Element
(-ide ending)



Nitrogen Trihydride
 no prefix (N) (3) (H)
 (1)

A: N x: 1

B: H y: 3



A_x B_y

Common

Ammonia

(NH₄¹⁺: Ammonium)