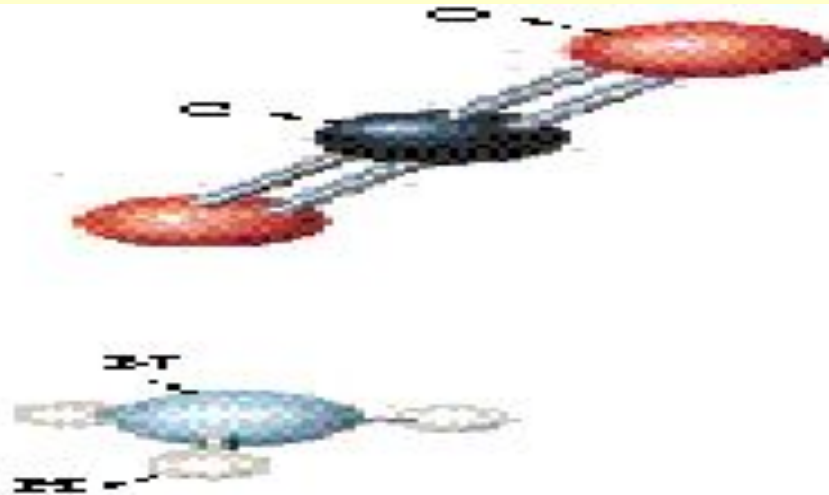


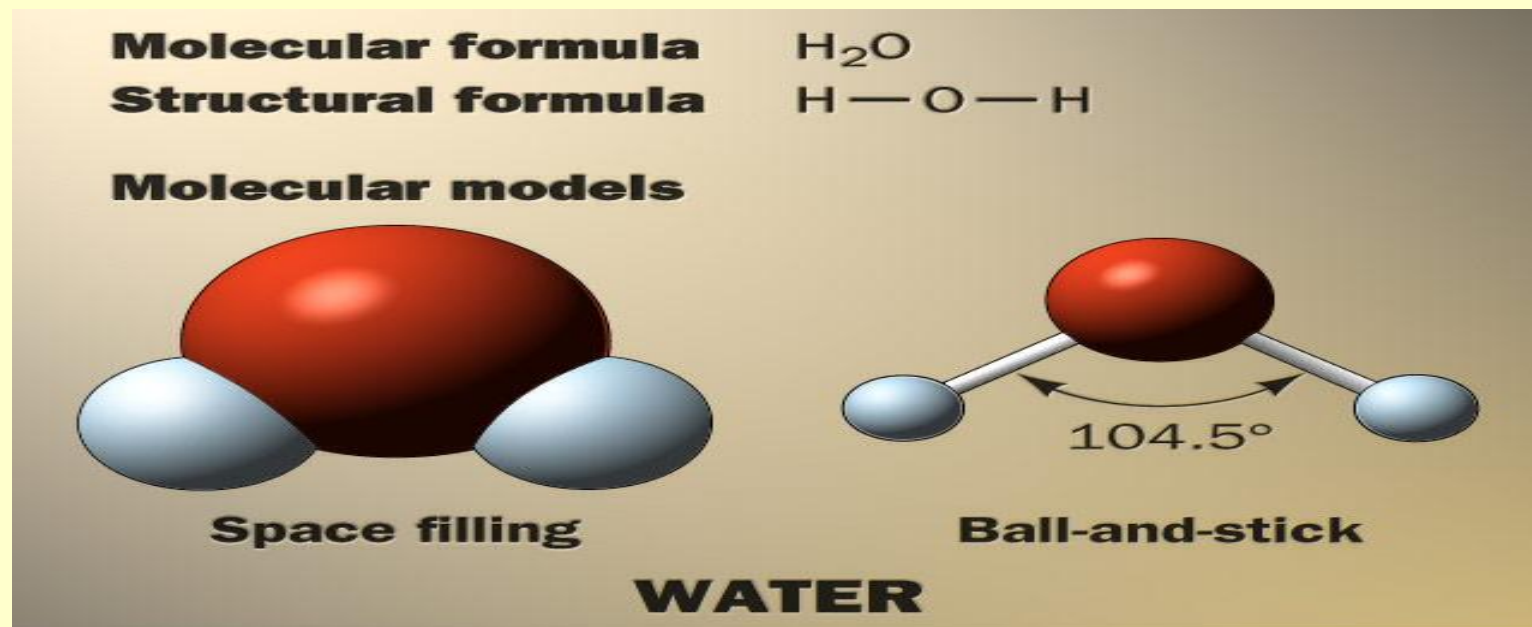
NOMENCLATURE

Binary Molecular Compounds

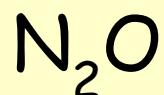


What are Binary Molecular Compounds?

Compounds consisting of molecules that are made from two elements are called binary molecular compounds. For example



Which Of The Following Are Binary Molecular Compounds?



Yes!!



Yes!!



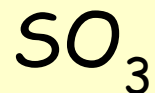
No



No



No



Yes!!

Binary Molecular Compounds

◆ NUMBER

1

2

3

4

5

6

7

8

9

10

◆ PREFIX

Mono-

Di-

Tri-

Tetra-

Penta-

Hexa-

Hepta-

Octa-

Nona-

Deca-

Naming The Formula

- Name the first Element
- Name the Second Element
- Add the suffix *-ide* to the second element
- Add the correct prefix in front of each element *but* if mono- is the prefix we do not add it to the name

For example:

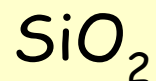


Carbon dioxide

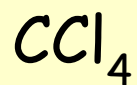
Name That Compound



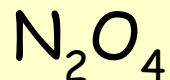
Carbon monosulfide



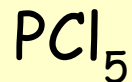
Silicon dioxide



Carbon tetrachloride



Dinitrogen tetroxide



phosphorus pentachloride