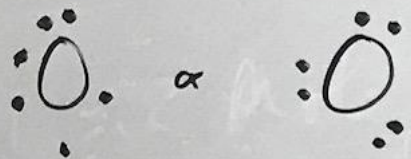
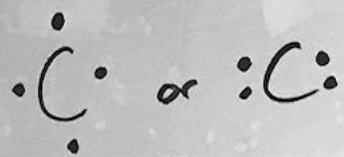
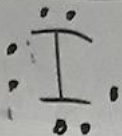
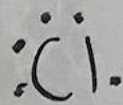
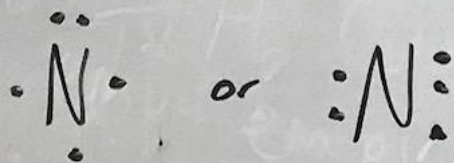


# Molecular Models Lab

Structures and  
Lewis/ElectronDot Examples to us



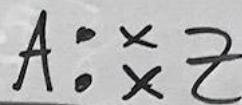
\* Same for "S"



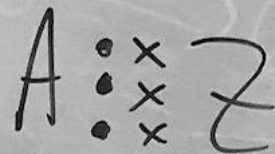
Single Bonds = 1 Stick  
= 2 e<sup>-</sup> shared



Double Bond = 2 Springs  
= 4 e<sup>-</sup> shared



Triple Bond = 3 Springs  
= 6 e<sup>-</sup> shared





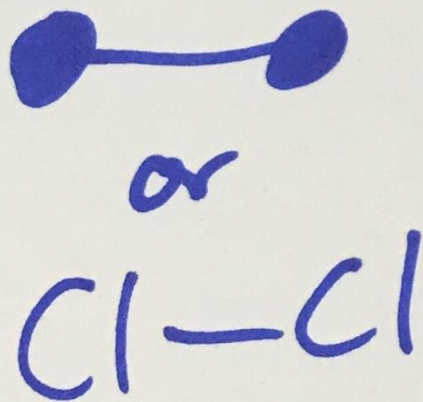
Molecular  
Formula

Structural  
Formula

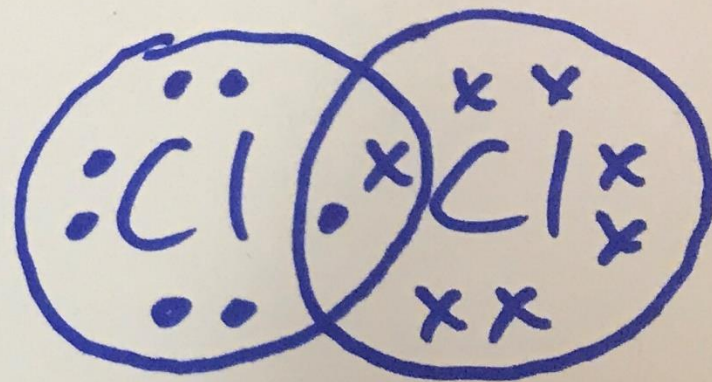
Shape

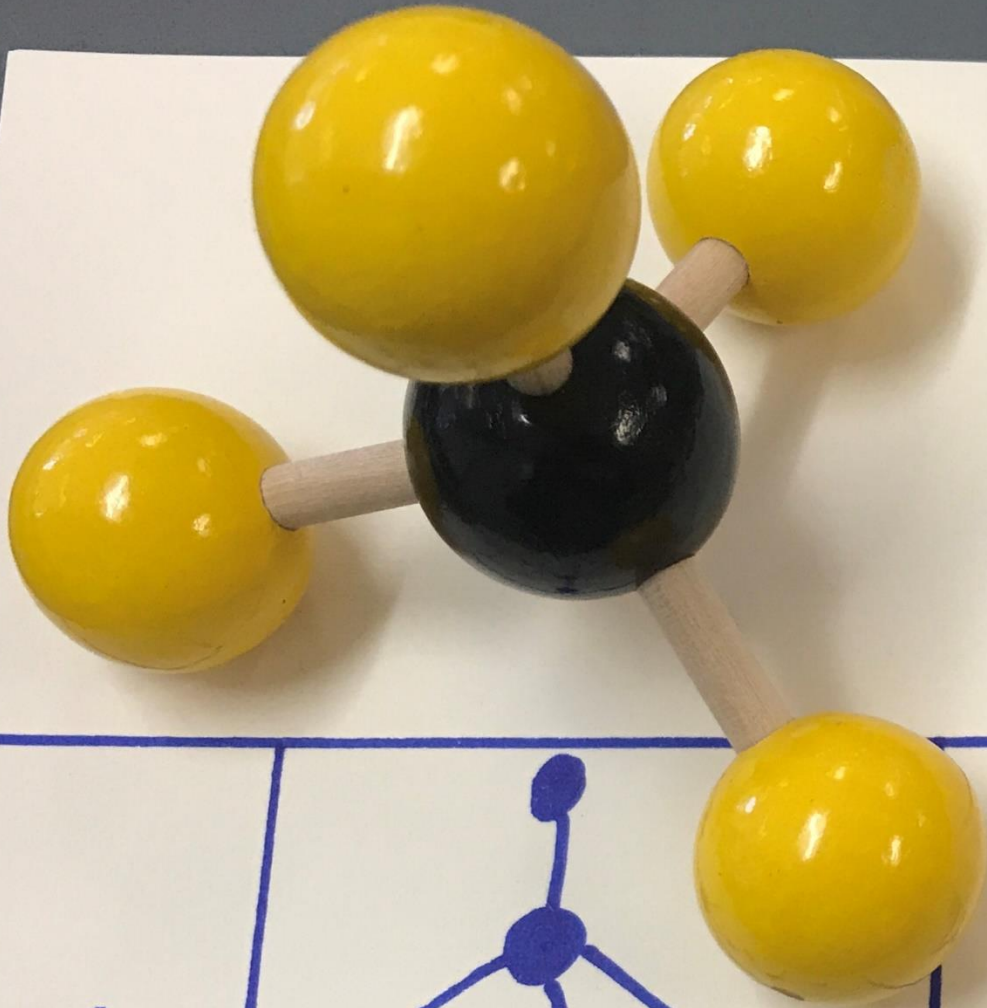
Lewis structure  
Electron Dot Formula

$\text{Cl}_2$

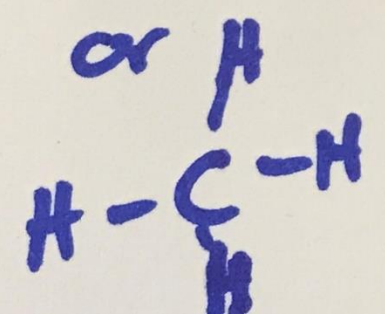
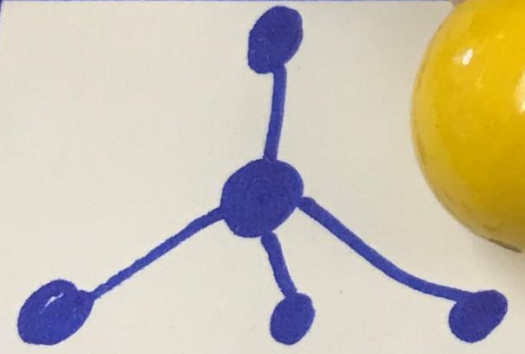


Linear

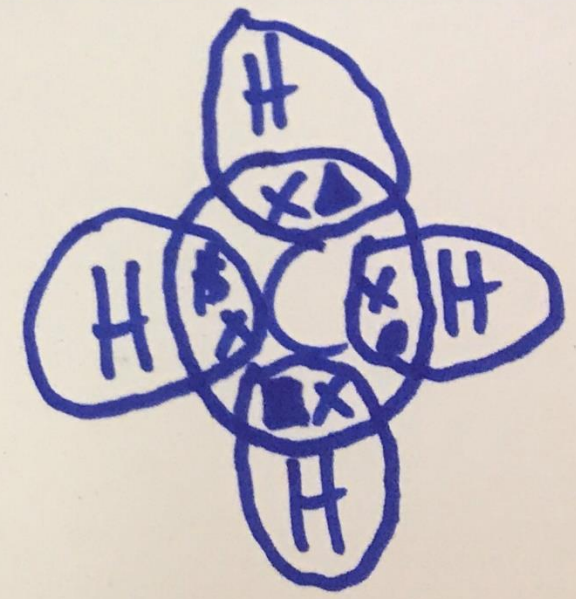




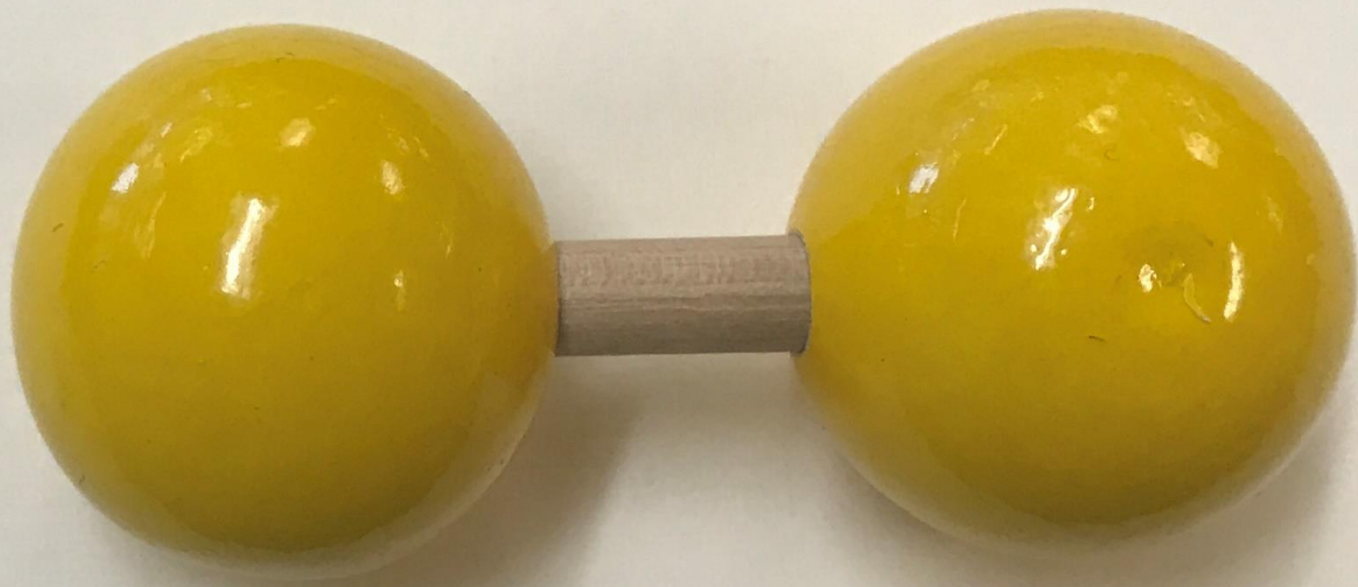
$CH_4$



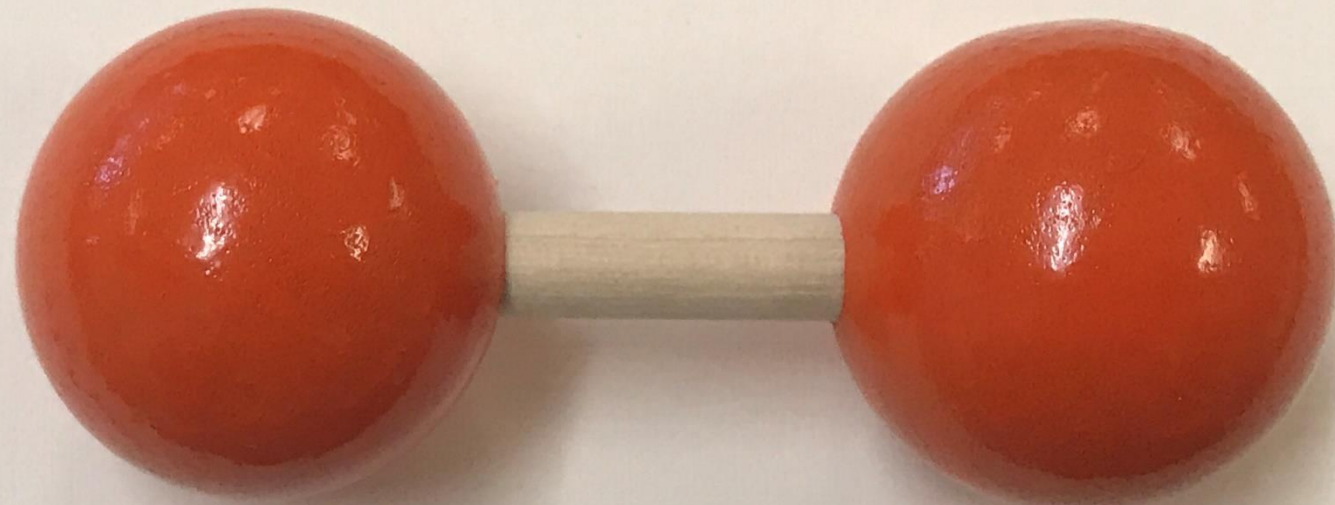
Tetrahedral



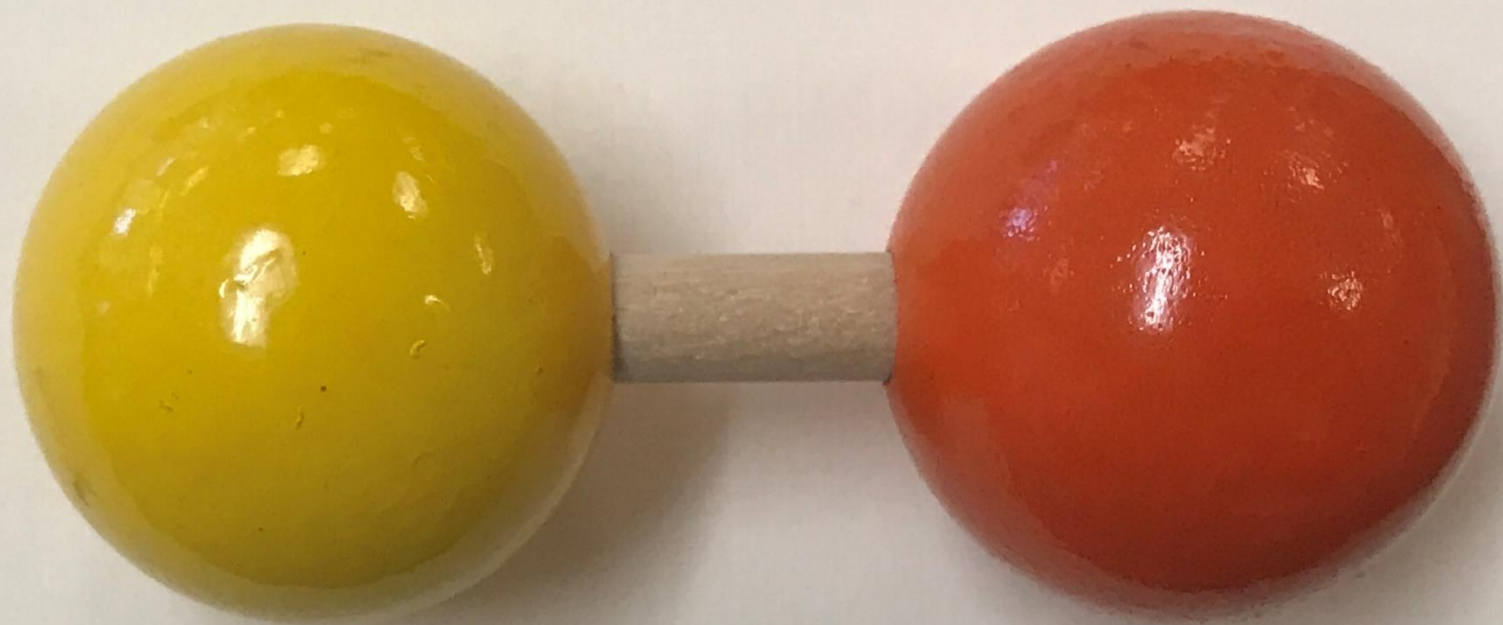
H<sub>2</sub>



Br<sub>2</sub>



HBr

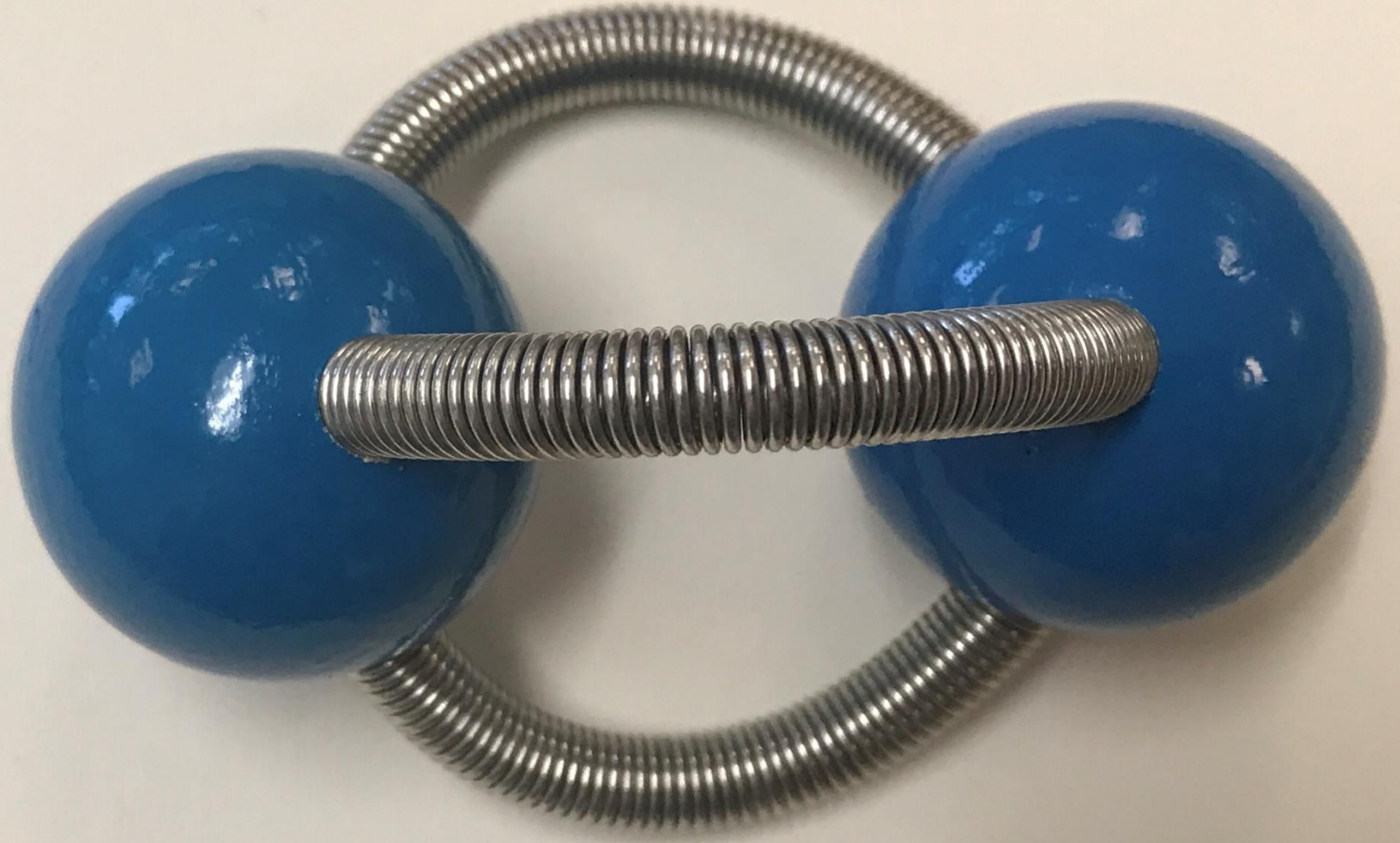


02

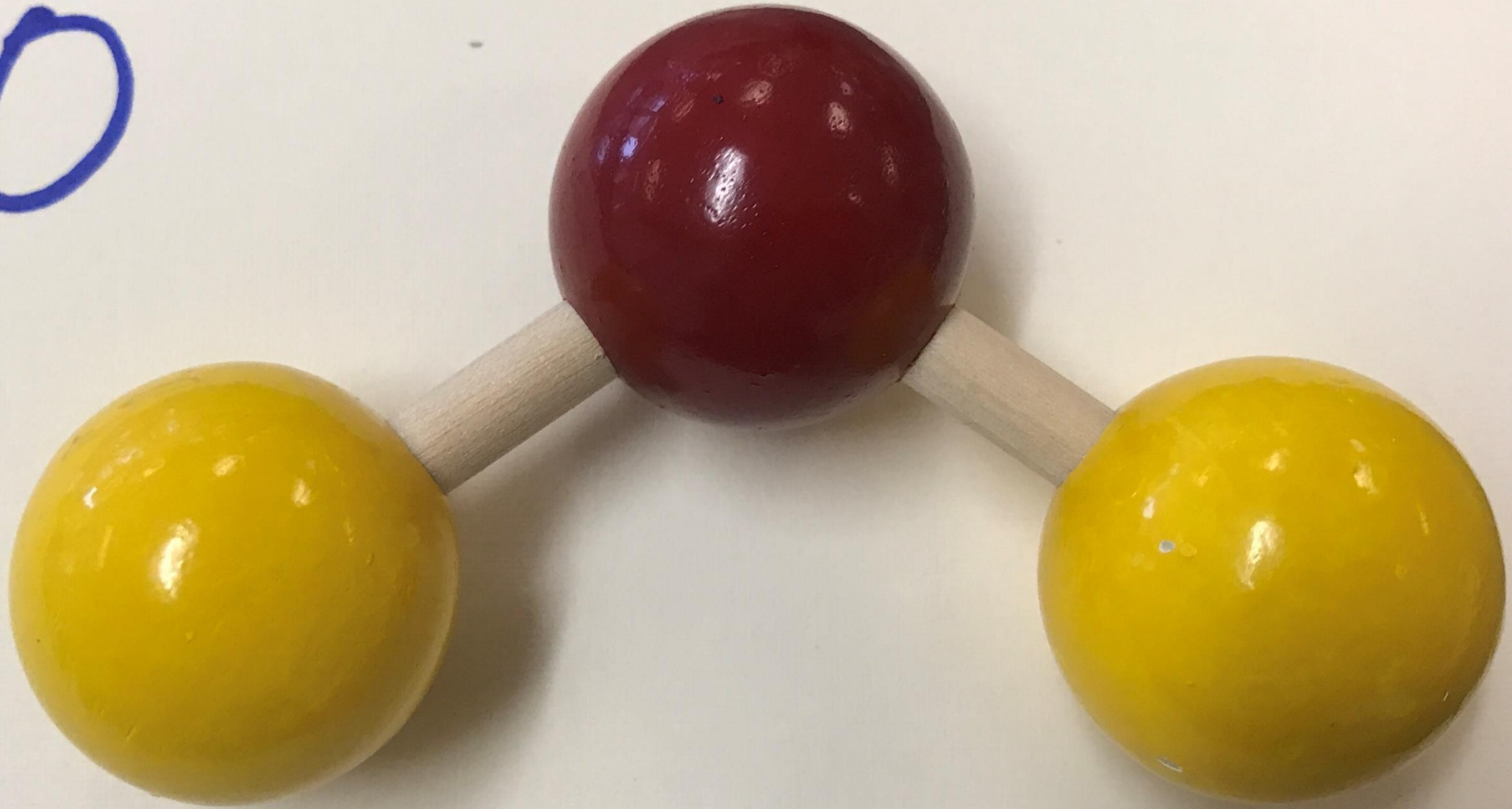




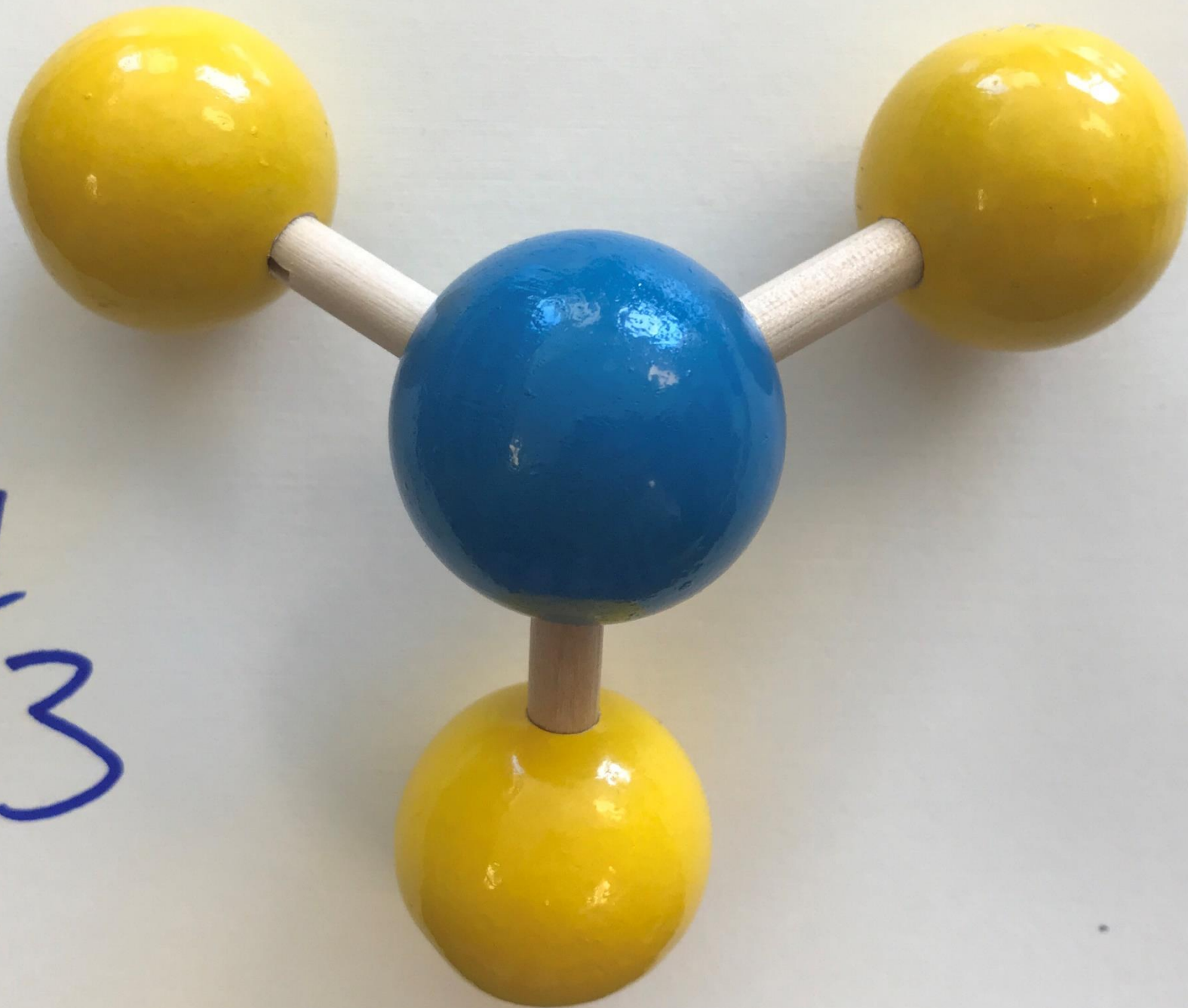
$N_2$



$H_2O$



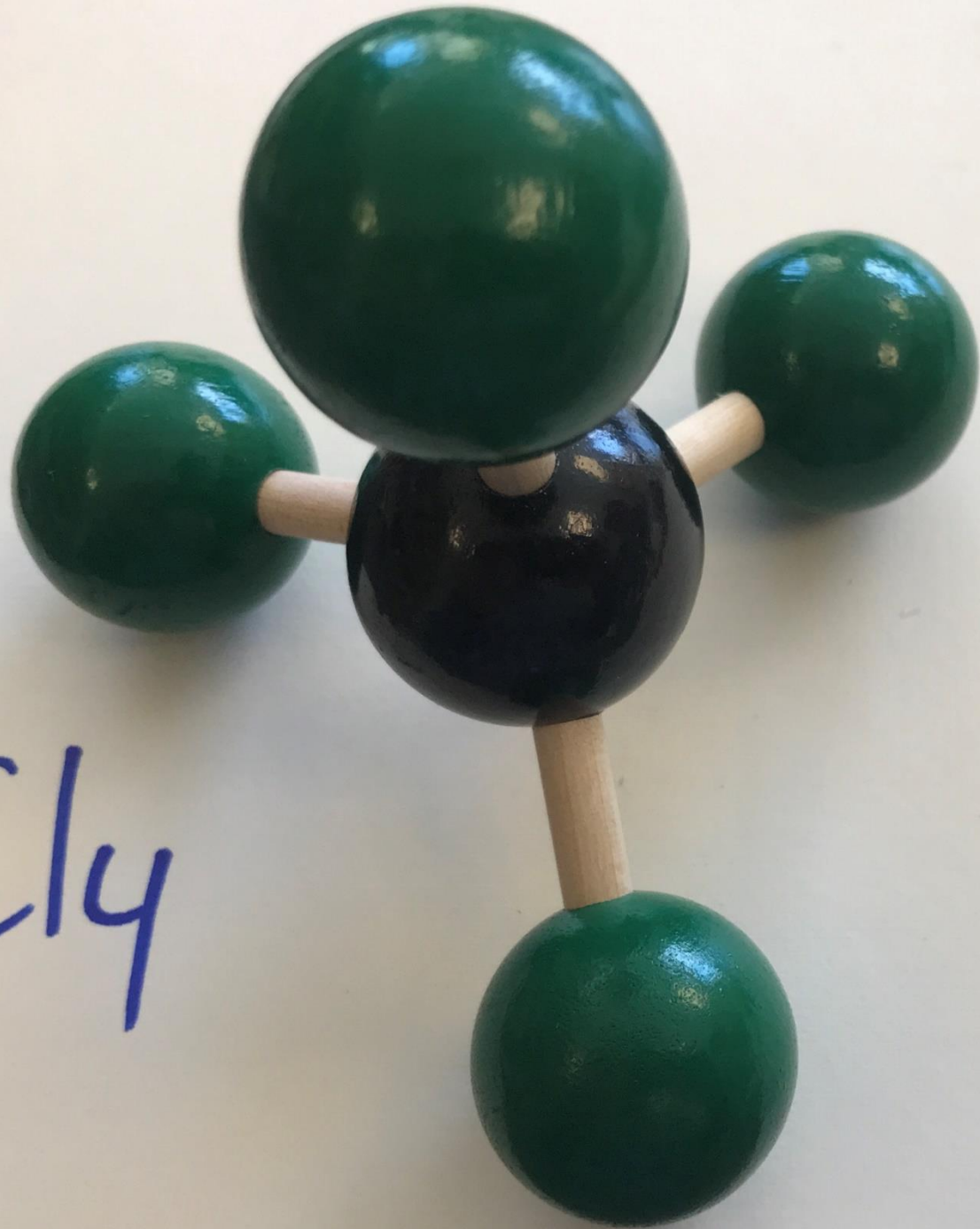
$\text{NH}_3$



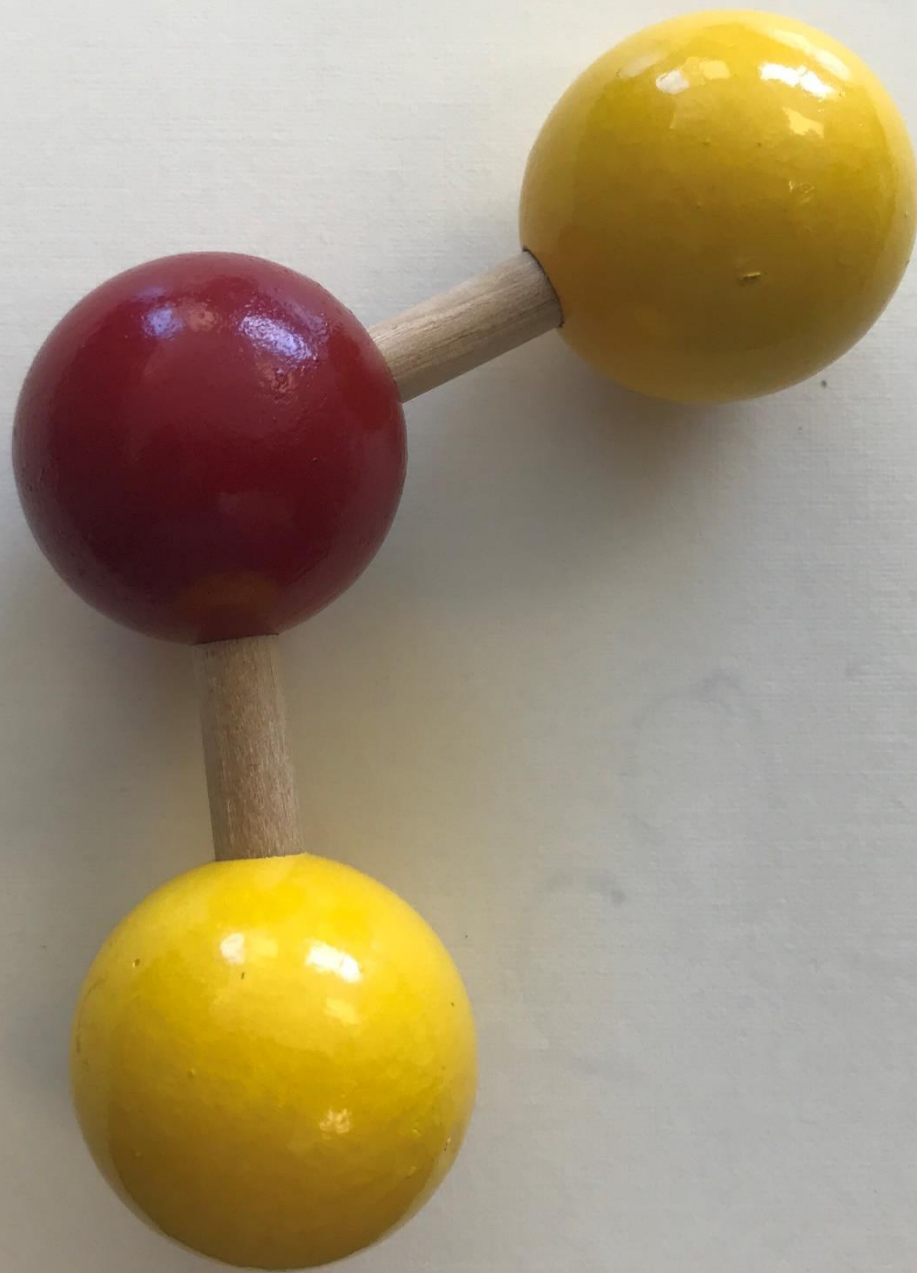
CO<sub>2</sub>



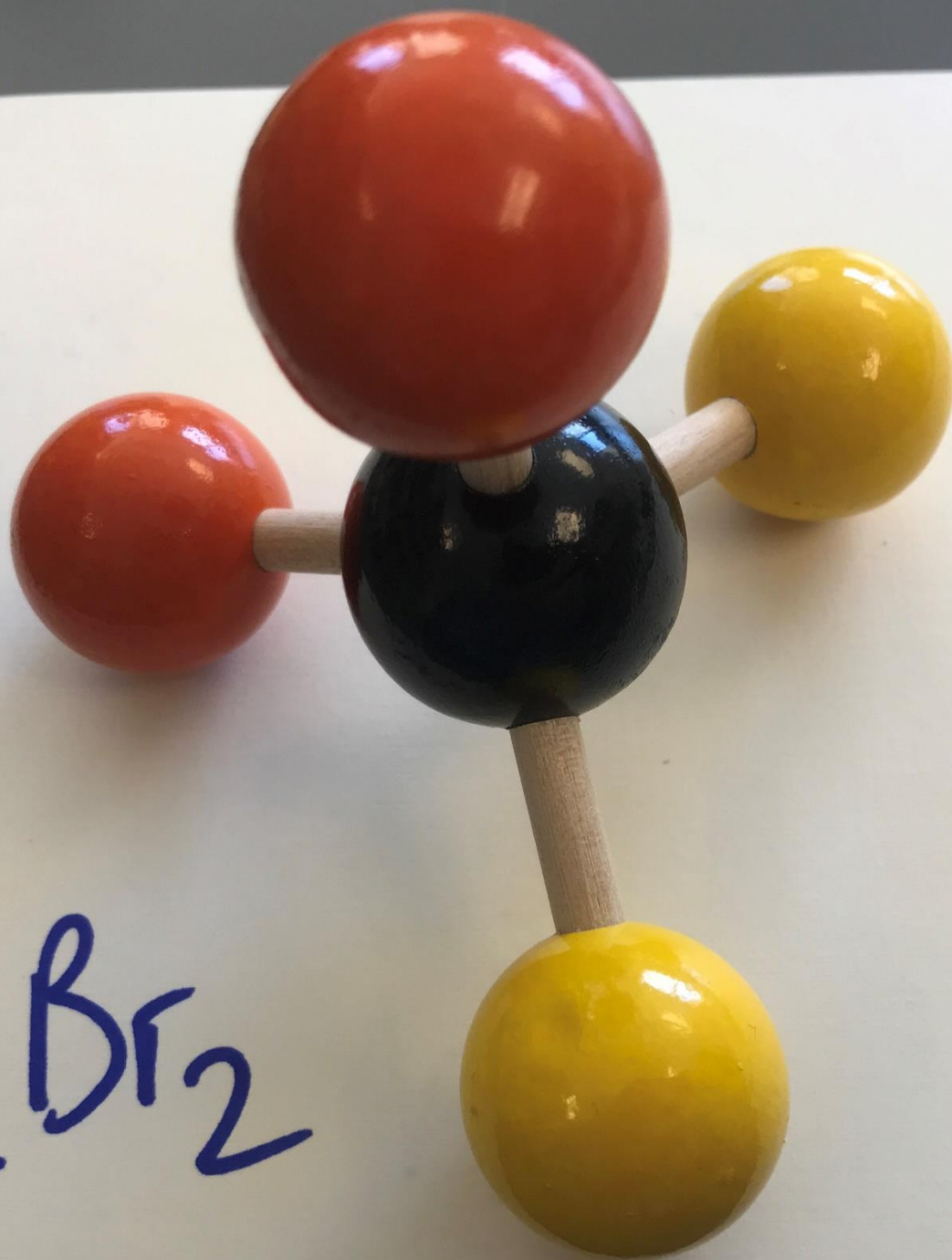
CCl<sub>4</sub>



$H_2S$



$\text{CH}_2\text{Br}_2$



$\text{NCl}_3$

