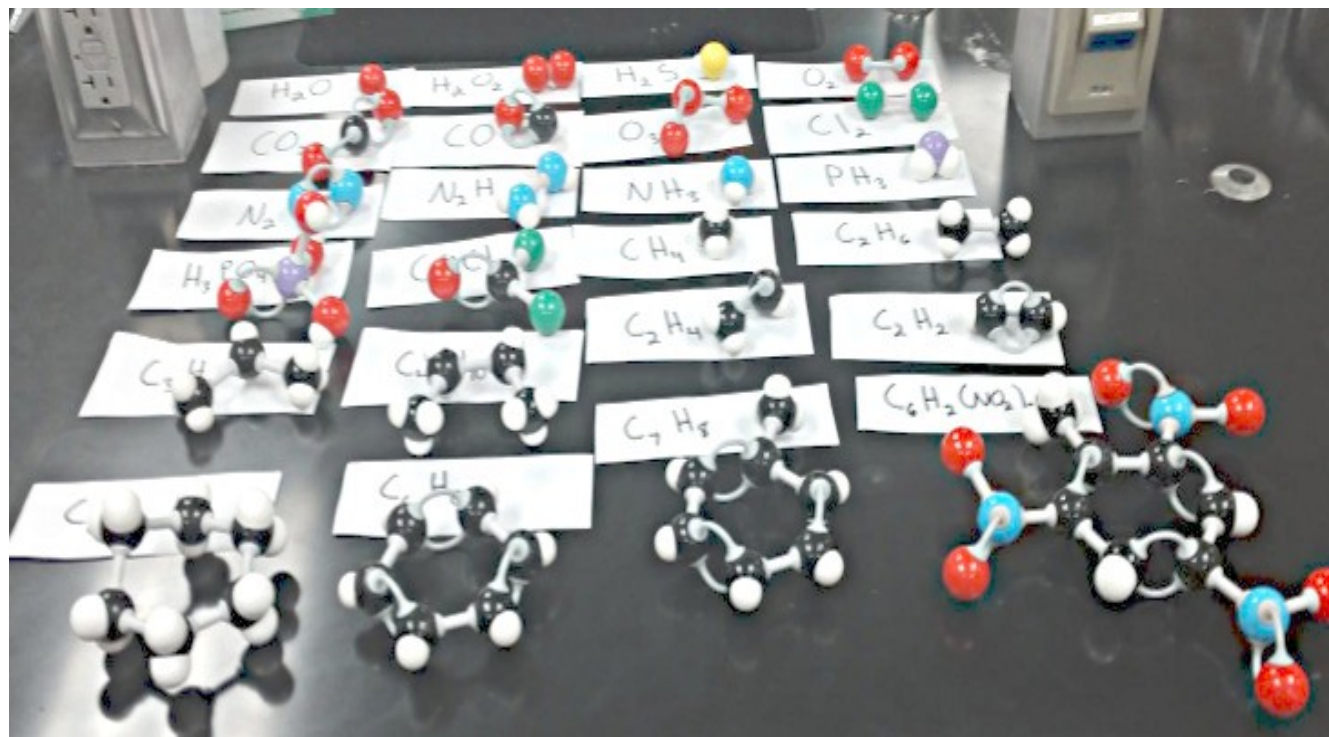


## Molymod Molecules Made During Beginning Exercises

One group of students (Amber, Cameron, Alondra, and Brenda) of Science-1A for Spring, 2019 took a picture of their creations and labeled them. Unfortunately, the white hydrogen hemispheres are hard to discern above the white paper, but here it is:



Top Row:  $\text{H}_2\text{O}$  water  $\text{H}_2\text{O}_2$  hydrogen peroxide  $\text{H}_2\text{S}$  hydrogen sulfide  $\text{O}_2$  oxygen  
 2nd Row:  $\text{CO}_2$  carbon dioxide  $\text{CO}$  carbon monoxide  $\text{O}_3$  ozone  $\text{Cl}_2$  chlorine  
 3rd Row:  $\text{N}_2$  nitrogen  $\text{N}_2\text{H}_4$  hydrazine  $\text{NH}_3$  ammonia  $\text{PH}_3$  phosphine  
 4th Row:  $\text{H}_3\text{PO}_4$  phosphoric acid  $\text{COCl}_2$  phosgene  $\text{CH}_4$  methane  $\text{C}_2\text{H}_6$  ethane  
 5th Row:  $\text{C}_3\text{H}_8$  propane  $\text{C}_4\text{H}_{10}$  butane  $\text{C}_2\text{H}_4$  ethylene  $\text{C}_2\text{H}_2$  acetylene  
 Bottom Row:  $\text{C}_6\text{H}_{12}$  cyclohexane  $\text{C}_6\text{H}_6$  benzene  $\text{C}_7\text{H}_8$  toluene  $\text{C}_6\text{H}_2(\text{NO}_3)_3\text{CH}_3$  trinitrotoluene

Double bonds:  $\text{O}_2$ ,  $\text{CO}_2$  two,  $\text{CO}$ ,  $\text{H}_3\text{PO}_4$ ,  $\text{COCl}_2$ ,  $\text{C}_2\text{H}_4$ ,  $\text{C}_6\text{H}_6$  three,  $\text{C}_7\text{H}_8$  three,  $\text{C}_6\text{H}_2(\text{NO}_3)_3\text{CH}_3$  six  
 Triple bonds:  $\text{N}_2$  and  $\text{C}_2\text{H}_2$