

# The Math of Chemistry: Building Molecules & Their Geometric Shapes

## I. Read & Review

- Review the class notes that you took as well as what I sent to everyone.
- Pay close attention to the examples.
- Make sure you understand how to connect atoms together per our “connect-the-dots” strategy. We will be building upon this in our 2<sup>nd</sup> meeting.

## II. Homework

Draw molecular structures for the following:

- $\text{H}_2\text{O}$
- $\text{NH}_3$
- $\text{H}_2\text{S}$
- $\text{PCl}_3$
- $\text{PCl}_5$

## III. Prep for Next Class

- 1) Do the Homework! It will help us build upon what we have learned.
- 2) Bring at least 6 pencils/pens/markers/crayons to class. They do not need to function as written utensils (other than the ones you would use to write notes). You can even bring chopsticks, straws, etc. We will use the 6 “sticks” to build (and hold in our hands) molecular structures. Since you will hold up to 6 at a time, I suggest 6 “sticks” that are on the skinnier side, and roughly the length of a standard pen or pencil.