

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

I. Read & Review

- Review the class notes that you took as well as what I sent to everyone. Some slides are more relevant to Beg I, and some more relevant to Beg II.
- **Beg I:** Please Review **Slide 8**. I skipped that slide in the interest of time to explain how to hold our pencils. We will start from here next Wednesday.
- **Beg I & Beg II:** Make sure you understand how to connect atoms together per our “connect-the-dots” strategy in our first meeting, as well as how to count attachments to a central atom and hold many pencils in your hand per our 2nd meeting.

II. Homework/Prep for Next Class (Beg I & Beg II)

- 1) Practice holding 2, 3, 4, 5, and 6 pencils in your hand as I started to demonstrate in class. Keep in mind that each pencil “repels” the others, but remains attached (your fist is the central atom). What does this do for the geometry of the shape you have created? Review Slides 7-8 from this week’s notes to help you out.
- 2) Bring at least 6 pencils/pens/markers/crayons to class. They do not need to function as writing 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.