

The Not-so-big Big Picture

1. After logging on to ChemSense, open up your "Folder" by clicking on the + button by your name.
2. Highlight any previous drawings you have created and delete them.
3. Build into your folder by **highlighting your names**. Then click on the hammer icon and select the **Drawing** tool.
4. Draw a picture of an ionic compound in the solid state. You may choose any ionic compound you want to draw. Once you are finished with this, title it as "Ionic Cmpd" and then save it.
5. Now highlight your names again and choose the hammer icon to start with a fresh drawing board. This time, we are going to select the **Animation** tool. We have never done these before, but I think you can do this. ☺
6. The Animation option works very much like the Drawing—the tools work the same. This time, I would like you to create an animation of a molecular compound that would show dipole-dipole intermolecular interaction. In order to do this, create your beginning picture—be sure you choose an appropriate compound—meaning you have considered the LDD, polarity of bonds, and geometry of the molecule.
7. Once you have created your beginning picture, slow the Frame Speed to 1. You may choose to speed this up at different times, but for now, let's make things go slow.
8. Then select "Add Frame," and move the atoms to where you would like them to go for your next frame.
9. You can view your animation and monitor your progress by pressing the play button. Continue to add frames and animate until you feel satisfied with the animation of a you have created. Once you have created this, save your work as "d-d."
10. Select your names again, and then create an animation of a molecular compound that would show H-bonding intermolecular interaction. Once you are finished with this, please save it as "H-bond."
11. And lastly, select your names again and created an animation of a molecular compound that would show London dispersion intermolecular interaction. Once you are finished with this, please save it as "LDF."

When you are finished, you should have 4 separate files under your name—1 drawing and 3 animations. Each one will be graded out of 3 points for correctness and quality.