



# MOLECULE LOGS: AN ONGOING PROJECT



As a chemist at MsChien, Inc, your job is to educate potential investors (your parents, administrators and guests of SOF) of our company on chemistry. Every week, you will investigate on a specific molecule of your choice. Then, you will post your research on your own website on ChienLab. Throughout the week, you will explore other's research to help you understand the diversity and purpose of organic molecules.

## Your selected molecule must be:

- **Organic – in a scientific sense.**
- **Researchable on reliable resources online. Some good resources are already provided for you.**

The Rubric	Radical Molecule	Fit for display	Back to the Drawing Board
The Physical Model: <i>An image of the molecule is included and is understandable</i>	<ul style="list-style-type: none"> <li>▪ Your model is accurate</li> <li>▪ Your model is neat and attractive</li> <li>▪ Your model is very educational – you label your atoms and bonds so that the general public can truly appreciate it</li> </ul>	<ul style="list-style-type: none"> <li>▪ Your model is accurate</li> <li>▪ Your model is neat and attractive</li> <li>▪ Your model is MOSTLY educational – you label your atoms and bonds. There may be some confusing or missing items</li> </ul>	<p>Model is missing</p> <p>Or</p> <p>Model is very inaccurate. It looks like it was constructed at the last minute.</p>
The Research and Analysis: <i>Background information on your chosen molecule for the week</i>	<ul style="list-style-type: none"> <li>▪ The name of your molecule is included</li> <li>▪ You include both the molecular and structural formula of your model</li> <li>▪ The mass of your molecule is included</li> <li>▪ Your explanation includes:               <ol style="list-style-type: none"> <li>1. An thorough discussion on the purpose of the molecule (Check out the SIGNIFICANCE portion of the Habits of Mind)</li> <li>2. A "wow" writing piece that focuses on another aspect of the Habits of Mind</li> </ol> </li> </ul>	<ul style="list-style-type: none"> <li>▪ The name of your molecule is included</li> <li>▪ You include both the molecular and structural formula of your model</li> <li>▪ The mass of your molecule is included</li> <li>▪ Your explanation includes:               <ol style="list-style-type: none"> <li>1. An thorough discussion on the purpose of the molecule. (Check out the SIGNIFICANCE portion of the Habits of Mind)</li> <li>2. A "wow" writing piece that focuses on another aspect of the Habits of Mind</li> </ol> </li> </ul>	<p>There is more than 1 item missing from column 2.</p> <p>And/or</p> <p>The website is not educational at all. It contains inaccurate/plagiarized information.</p>
Your Efforts	<p>You meet ALL the deadlines set by The Boss</p> <p>You complete ALL the mini-assignments set by The Boss</p>	<p>You meet 90% of the deadlines set by The Boss</p> <p>You complete 90% of the mini-assignments set by The Boss</p>	<p>Deadlines are not met. Effort is not evident to MsChien.</p>

*All posts are due Mondays, by 12 AM*

## Your Resources

A lot of the information on these websites offer standard information on your molecule. The content on your explanation card should be a culmination of your research and you analysis of the research (therefore a lot of what The Boss wants is NOT found in research). So, in other words, use your brain, not other people's work!

I need to put my OWN ideas on my website. Anything superficial (too fake-sounding) is not my best potential!



If I hurt, I am working!

- Molecule of the Month: <http://www.chm.bris.ac.uk/motm/motm.htm>
- Occasional Molecule of the Month: <http://www.ch.ic.ac.uk/motm/>
- Drugs of the Day: <http://www.wellesley.edu/Chemistry/Chem101/misc/molecules.html>
- Molecule of the Month: [http://www.rcsb.org/pdb/molecules/molecule\\_list.html](http://www.rcsb.org/pdb/molecules/molecule_list.html) (They have mostly protein molecules are extremely complex, but very interesting. If you want a challenge, these molecules are the way to go).