

IB SL Chemistry Summer Study Packet

Cleveland High School

NOTE: This only applies to those students entering the first year (SL) Chemistry course.

Background

Welcome to SL Chemistry! The intent of this course is to prepare you for college level chemistry. Being a self directed learner is probably the most important factor in college preparation. If you start to study ahead, by doing this packet, by reading ahead, by problem solving ahead of class, you will learn more in this class.

Before delving into the assignment specifics, here are things to keep in mind:

- 1. Review of NGSS Chemistry topics.** All of the topics covered in the summer assignment are ones you studied in the first year class. There are no new topics that I am expecting you to learn over the summer. These topics are presented in more depth in IB Chemistry than in NGSS Chemistry, but the foundations are the same.
- 2. Spaced practice is the intent.** If you notice, I have created three assignments, each of which is due about 20-30 days apart. In an ideal world, you would spend about one hour every two weeks to accomplish these assignments. In this way you would be sprinkling the spaced practice through the summer. I realize that your summer schedule may not allow this ideal, but just keep in mind the more spaced the practice, the better you will retain the concepts in the long run.
- 3. Stress is not the intent.** If you ever feel your stress level rising to an uncomfortable level, please reach out to me. I can be flexible on deadlines and I am also happy to help answer questions on specific problems/concepts. *Also, once you have reached a certain number of hours working on an assignment, you can just stop and submit what you have. I will give an indication of how much time is reasonable with each assignment (see below).*
- 4. Grading Policy for Google Classroom assignments**

These assignments will be entered into the gradebook for first semester 2020-2021. If you make a good faith attempt to complete the assignments, then you will get full credit for them in the grade book. If for whatever reason, you do not complete the assignments, your grade will be left blank in Synergy, meaning it will not count against you.

Overview of assignments

The summer assignment is broken up into 3 parts.

**On your Google Classroom link please log on to
IB SL Chemistry Summer Course.**

The join code is **5ilx1hq**

Part 1 - Atomic Structure: Use the IB SL Chemistry Summer Course to complete this assignment.

This is due by July 3rd and should take you about 2 hours to complete.

Part 2 - Periodic Trends: Use the IB SL Chemistry Summer Course to complete this assignment. This is due by July 31 and it will take you approximately 2 hours to complete.

Part 3 - Bonding: This is due by August 28 and it will take you about 2 hours to complete.

If you have any questions, email me, mstaab@pps.net See you in the fall!

Best,
Mr. Matthew Staab