EXPLANATION

A: **Use CK12.org** to explore the following standards (Be sure to take notes in your science notebook on each standard):

a. HS-PS1-1.:
   i. Non-metals:
   ii. Metals:
   iii. Modern Periodic Table:
   iv. Periodic Law:
   v. Periodic Trends:
   vi. Noble Gases:
   vii. Valence Electrons:
      1. Notes:
         a. The Periodic Table
         b. Periodic-Trends-Notes-2lx7lcf.pdf (lcwu.edu.pk)
      2. Practice:
         a. Periodic Table Worksheets 1 (mayfieldschools.org)
         b. Microsoft Word - PeriodicTableBasics08.doc (sciencespot.net)
         c. Periodic Table of Elements - PubChem (nih.gov)

b. HS-PS1-2

   i. Synthesis Reaction:

   ii. Decomposition Reaction**:**

   iii. Electron Dot Diagrams:

      1. Notes:

         a. Chemical Bonding Electrons and Chemical Bonding

         b. Electronic Configuration

         c. Electron Configuration and the periodic table

      2. Practice:

         a. Electron Configuration Practice Worksheet (mayfieldschools.org)

         b. Electron Configuration Practice: Electron Configuration Practice Worksheet (weebly.com)

B. Students define what toxicology is.

1. What is toxicology? (280) What is toxicology? - YouTube **Record this in your science notebook.**
2. Explain what you have learned so far. Use and complete the **cornell note graphic organizer.** Use the notes and practice items to add to your notes and or science journal.
3. Use your cornell notes to make and study from **spaced-repetition** **notecards on the Memozora App**
4. From your previous work, identify a toxicology career that is interesting. Explain why it is interesting.