Chemistry 2 AP/Honors

Summer Assignment Sheet

Questions? I will be available by email all summer (please allow a few days for response).

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| Assignment: | Support/Instruction: |
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| **Matter, Properties and Change Worksheet** | PowerPoint: **Matter and Change**  **n.b.:** Things in this column which are underlined are web links |
| **SI Prefix Worksheet**  **Units and Measurement Worksheet** | PowerPoint: **Measurement**  Video: [**What Are Sig Figs?**](https://drive.google.com/open?id=1cRg-anP9ALYdl6ue9iUDhlhtBd4yGgBO)  Video: [**Counting Sig Figs Method A**](https://drive.google.com/open?id=1gST90yrjm1tn5yFZjNr9v5ptx4uRw2L4)  Video: [**Counting Sig Figs Method B**](https://drive.google.com/open?id=1-4WNw-fQaw8GLA7ExNrLB4ncsZC9WmYt)  Video: [**Doing Math With Sig Figs**](https://drive.google.com/open?id=19jNDADffmwpVtUp-DENwyYETcdCJsnnK)  Video: [**Intro to Measurement and Uncertainty**](https://drive.google.com/open?id=1vL6tLEFzzq0Fc8GxM-65J6m04gRWfm28)  Video: [**Measurement Continued Calculating Deviation**](https://drive.google.com/open?id=1sjlLxPD83EUHqNlGJr9DtNVCj7K0NAQf) |
| Review Polyatomic Ions/Elements | **Flash Cards** from Chem. One  [**Elements**](https://drive.google.com/open?id=1gPO0KD5fVJ7WuLYIBgzdQq5MwOHOe1WQ); [**Polyatomic Ions**](https://drive.google.com/open?id=1CYc2rZogSzT2f6rESnr5kJ3RUGndfdld) |
| **Inorganic Nomenclature and Create a Compound Worksheet** | Handout: **Inorganic and Molecular Nomenclature**  PowerPoints: **Ionic Compounds; Molecular Compounds** |
| **Organic Structure and Nomenclature Worksheet** (Use the Cyclic Compounds and Functional HO as a guide to complete this WS, you will not need to know all of that HO) | Handouts: **Organic Nomenclature; Cyclic Compounds and Functional Groups**  PowerPoint: **Benzene** (Use this to learn structure of benzene and to answer worksheet questions) |
| Prepare for **Safety and Equipment Quiz** | Handouts: **Safety Rules;** [**Lab Equipment Sheet**](https://drive.google.com/open?id=13qqEnzk2BQejCJRknT1pRXXF1ipWzSK0)**; Chem Games Safety Video** [**Part 1**](https://drive.google.com/open?id=1bQnIJMboCBPyJerNx3Oe-8aNRgfSCEF3)[**Part 2**](https://drive.google.com/open?id=0B1yNYrsL7ccLa1pkM1QwZlYyMlE) |
| Assessments (End of 1st week beginning of 2nd week of School): | |
| Matter and Measurement Quiz | Includes: S.I. Units, Conversions, Sig Figs; Deviation; Models; Lab Design; Changes, etc. |
| Nomenclature Quiz | Includes: Element names, symbols, names and formulas, for both inorganic and organic compounds. |
| Safety/Equipment Quiz | Must score a minimum of 90% |
| Separation Lab | Come up with your own design to separate components of a heterogeneous mixture. |