

Directions: Download and print a copy of each of the assignments. You will turn this in to Mrs. Martin or Mr. Eggleston when you return to school in August.

[Link to IB Chemistry Book \(Pearson 3rd Edition\)](#)

Unit 1: Chemistry Review

- Uncertainties
 - [Types of Errors and Uncertainties notes](#)
 - Types of Errors: [Uncertainties practice Worksheet 1](#)
 - [Uncertainties practice Worksheet 2](#)
 - [Graphing with Error Practice Worksheet](#)
 - [Propagating uncertainties and graphing notes](#)
 - [Propagating uncertainties practice Worksheet 1](#)
 - Helpful uncertainties videos
 - [All msjchem measurement videos](#)
- Significant Figures
 - [Sig figs notes and rules](#)
 - [Calculating with sig figs notes and rules](#)
 - [Sig figs practice worksheet](#) (LONG ASSIGNMENT - Contains scientific notation, sig figs, and calculating with sig figs)
 - [Sig figs puzzle](#)
- Dimensional Analysis
 - [Using dimensional analysis in chemistry notes](#)
 - [Using SI units and Converting between different SI units worksheet](#)
 - [Dimensional analysis practice 2](#)
 - [Density worksheet](#)
 - [SI Units notes](#)

Unit 2 – Structure 1.1

- Kinetic Molecular Theory, Density, Temperature vs. Heat, Elements, Compounds, Mixtures
 - [Kinetic Molecular Theory notes](#)
 - [States of Matter Practice Worksheet 1](#)
 - [States of Matter Practice 2](#)
 - [Balancing chemical reactions worksheet 1](#)
 - [Balancing chemical reactions worksheet 2](#)
 - [Naming ionic and covalent worksheet](#)
 - [Physical vs. Chemical Properties notes](#)
 - [Lab – Online density lab: use this URL](#)
 - [Physical vs. Chemical Properties Assignment](#)
 - [Practice identifying elements, compounds, mixtures worksheet](#)

Unit 3 – Structure 1.2

- Structure of the Atom, Ions, and Isotopes
 - [Structure of the Atom, Avg. Atomic Mass, Ions, and Isotopes](#) notes

- [Structure of the atom, ions and isotopes, nuclear symbols, hyphen notation worksheet practice worksheet 1](#)
- [Structure of the atom, ions and isotopes, nuclear symbols, hyphen notation worksheet practice worksheet 2](#)
- [Ions vs. isotopes using nuclear symbols and hyphen notation worksheet](#)
- Periodicity
 - [Periodic table notes](#)
 - [Periodic table worksheet](#)
 - [Periodicity notes - 1](#)
 - [Identifying periodic trends worksheet](#)
 - [Electron orbitals](#) and [Quantum numbers](#) notes
 - [Quantum mechanical model worksheet](#)
 - [Quantum numbers assignment worksheet](#)
- Electron Configuration
 - [Bohr's Model and electron energy states in the atom](#)
 - [POGIL: Bohr's model with ground and excited state electron emission](#)
 - [Online flame test lab](#)
 - [Orbital notation, standard electron configuration and Noble gas configuration, valence electron notes](#)
 - [Orbital notation assignment, worksheet](#)
 - [Standard and Noble Gas EC assignment worksheet 1](#)
 - [Standard and Noble gas EC assignment worksheet 2](#)