

Unit 4 The Periodic Table

Date	What will we do in class today?	What Homework will be assigned for tonight?
11/19	<ul style="list-style-type: none"> • Take Unit Test on Atomic Structure and Nuclear Structure 	Read pp. 155- 167
11/21	<ul style="list-style-type: none"> • Introduction to Periodicity <ul style="list-style-type: none"> ○ Nuts and Bolts: Can you find the trend? Lab Activity 	Happy Thanksgiving!!!
11/27	<ul style="list-style-type: none"> • Basics of the Periodic Table Handout • Group Work Reading & Identification of important features 	1. Page 160 3, 4, 6, and Page 181 24, 28 , 30 2. Study for Quiz Material you can expect to see on the quiz <ul style="list-style-type: none"> • Family Names Example Alkali metals • Periodic Table organization (how is it ordered?) • Where are metals, nonmetals, metalloids located on the periodic table? • What is meant by a family or group of elements, a period of elements?
11/29	<ul style="list-style-type: none"> • Quiz on Periodic Table • Electronic Structure of Atom • Bohr Model of the atom- Quantized energy levels • Emission of light by excited atoms- Cons. Of Energy • Lab Activity on Flame Tests 	<ul style="list-style-type: none"> • Read pp. 128-140 • p. 132 2, 5, 6 • Finish lab Activity on Flame Tests
12/3	<ul style="list-style-type: none"> • Wavelength, Frequency, Energy Relationships • Electromagnetic Spectrum • Worksheet on energy, wavelength and frequency • Quantum Mechanics • Uncertainty Principle • Energy Level, Sublevel, and orbitals 	<ul style="list-style-type: none"> • Read pp. 140 – 146 • p. 146 16, 17, 21 • p. 149 42, 54, 55, 56 • Study for Quiz on Electron Transitions and energy

12/5	<ul style="list-style-type: none"> • Quiz on Electron Transitions and energy • Electronic Configurations of the Elements • Group Work on writing electronic Configurations • Lab Activity with Straws on Periodic Trends 	<ul style="list-style-type: none"> • Page 149 25-29, 32, 34, 35, 50, 51 • Finish Lab Activity with Straws • Study for quiz on electronic configurations of elements
12/7	<ul style="list-style-type: none"> • Quiz on Electronic Configurations • Introduce Shielding Effect and Effective Nuclear Charge • Atomic Radius 	<ul style="list-style-type: none"> • Read pp 170 – 179 • Page 178 16-23 and the writing activity
12/11	<ul style="list-style-type: none"> • Quiz on Shielding Effect, ENC, and atomic radius • Finish Periodic Trends • Ionization Energy • Electronegativity • Ion Size 	<ul style="list-style-type: none"> • Study today's notes as though you were having a quiz over this material!!!!
12/13 & 12/14	Review for the Final Exam	Study!!!
12/17	Final Exam 9:00 a.m. Location TBA	<i>Happy, Happy Winter Break!!!!</i>