***Lesson Plans for the Week of: 1/30/17 Teacher: Hough Course: Chemistry Period: 9***

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| Elements ofa Lesson | **Monday** | **Tuesday** | **Wednesday** | **Thursday** | **Friday** |
| Objective/Focus/Essential Question | CH.2f;3a,c,d;6a,bQuiz on molecular compounds and basic organic compounds; naming and formulas of both ionic and molecular compounds--define atomic radius, ionization energy, and electronegativity, and understand those concepts--explain the trends that these phenomena follow on the periodic table | CH.2f,iUnderstand the following topics about the periodic table:--trend for atomic radius, ionization energy, and electronegativity, and understand those concepts--identify the contributions of Millikan, Planck, Rutherford, and Bohr to the field of chemistry | CH.2f,i;3a,c,d;4a;6a,bReview for test | CH.2i;2f,g;3a,c,d;4a;6a,bTest | CH.3b,eIntroduction to chemical changes and chemical reactions1 to all district band |
| Lesson/Act.Type of Presentation | Individual:QuizStudents will look up definitions of: atomic radius, ionization energy, and electronegativityWhole group:Clarify meanings of the terms aboveExplain the trends | Whole group:Define ionization energy, electronegativity, and electron shielding; and explain the periodic table trends for those three topics and atomic radiusExamples from the periodic table will be given to help illustrate the trendsWhole GroupNotes about scientists:Millikan (an American!), Planck, Rutherford, and Bohr; explain the experiments for Millikan and Rutherford  | Review for test | TestStudents will read p. 346-350 and recognize the following terms: Reactant, product, chemical equation, coefficients, and Table 11.1 on p. 348 | Particle diagrams to show the difference between a physical and a chemical changeChemical changes are chemical reactions |
| Evaluation |  | Whole group formative assessment questions |  |  |  |
| Extension/Homework |  |  |  |  | Lab on Monday |

MATERIALS:

Monday: Teacher-made quiz

Tuesday: teacher-made mini-periodic tables for marking trends

Wednesday: teacher-made review guide

Thursday: teacher-made test; textbook

Friday: Teacher-made notes