***Lesson Plans for the Week of: 11/28/16 Teacher: Hough Course: Chemistry Period: 9***

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| Elements ofa Lesson | **Monday** | **Tuesday** | **Wednesday** | **Thursday** | **Friday** |
| Objective/Focus/Essential Question | CH.4aReview g↔mol and particle↔mol conversions--Identify the correct number of atoms in a molecule of a substance, given the chemical formula | CH.3cConvert empirical formulas to molecular formulas | CH.3c--Recognize the Law of Multiple Proportions | CH.2a;3c;4aTest review | CH.2a,d;3c; 4a--Conversion test--identify specific portions of the periodic table |
| Lesson/Act.Type of Presentation | Individual:Bellwork: a) Convert 3.6 mol Li2O to grams ; b) convert 4.6 x 10^23 molecules BF3 to molesWhole group:Go over answers to belwork; reasonsPractice counting numbers of atoms in a formula, as neededIndividual: Students start worksheet where they determine whether they need to use Avogadro’s number or the molar mass to make the conversionGo overStudents practice mixed conversions, g↔mol and particle↔mol | Whole group:Review types of formulas from before breakModel how to convert from empirical formula to molecular formulaIndividual:Practice converting empirical formula to molecular formulaDifferentiation: copy of notes to visually handicapped students | Whole group:Define the law of multiple Proportions and give examples: textbook p. 290 for exampleReview previous types of conversions as necessary | Individual:Students will practice mixed conversion problems in order to ensure that the convert properly, using the correct conversion factors at the correct time; additional MC questions about categories of matterWhole group:Go over results | Individual:TestAfter test:Use textbook to label the following regions of the periodic table: alkali group; alkaline earth metals group; halogens, noble gases, transition metals |
| Evaluation | Student questions, results | Student accuracy in practice | Exit pass: identify definition, example of law of multiple proportions; convert from empirical formula to molecular formula | Teacher observation and results of student work |  |
| Extension/Homework | Mixed conversion work, for accuracy (teacher-made worksheet) |  | Practice converting between empirical formula and molecular formula |  |  |

MATERIALS:

Monday: teacher-made worksheet for mixed conversion practice

Tuesday: Student practice: p. 339 #76-79: p. 333#41-42

Wednesday: Exit pass

Thursday: teacher-made worksheet

Friday: teacher-made test