***Lesson Plans for the Week of: 4/3/17 Teacher: Hough Course: Chemistry Period: 1,3,7/8***

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Elements ofa Lesson | **Monday** | **Tuesday** | **Wednesday** | **Thursday** | **Friday** |
| Objective/Focus/Essential Question | CH.2a,d,e,g-- Understand the following topics about the periodic table: --atomic number provides the number of protons and electrons --elements in the same group have the same number of valence electrons and similar chemical properties--Practice writing electron configuration for an element | CH.2d;3d--Correctly draw Lewis diagrams for elements and simple compounds, such as CH4, C2H6, C2H4, C2H2, CH2O, C6H6 | CH.2a,d,e,f,g;3d;5bReview for Test | Test | CH.4c; 5fDefine, calculate molarityFactors which affect solubilityInterpret solubility curve |
| Lesson/Act.Type of Presentation | Whole group:Examples from the periodic table will be given to help illustrate the number of protons, electrons, and valence electrons; isotope?explain how to determine the number of valence electrons for an atom of an element using periodic table; note maximum number of valence electronsConnect this to ion chargeModel samples: nitrogen, sulfur, copperConnect electron configuration with element location on the periodic tableIndividual: Students write electron configuration for a few elements: fluorine, calcium | Whole group:a) explain how to draw Lewis diagram for simple compounds (listed above), include double and triple bonds: include ammonia, carbon monoxide, carbon dioxide [p 227 textbook]b) show how the dots are commonly adjusted to dashes in diagrams c) model how to draw Lewis diagramsIndividual:d) draw Lewis diagrams for compounds | Review for testKahoot? | TestDefinitions: solution, solvent, solute, solubility, saturatedMemorization list of acids and bases | Review terms from previous dayExplain the factors which change solubilityExplain how to interpret a solubility curveModel how to calculate molarityStudents practice using the molarity equation: p. 526#11, p. 548#57a,b |
| Evaluation | As a group: p. 199#3 (maybe #7) to determine # valence electronsStudents write electron configurations for three elements | p. 214#29 Lewis diagrams for elementsStudent independent work |  |  |  |
| Extension/Homework | Students write electron configurations: p. 136#8,9 |  |  |  | p. R63 #177,179 all |

MATERIALS:

Monday: spdf diagram, periodic table

Tuesday

Wed.:

Thursday:

Friday: