

Grade 11

Distance Learning Module 2: Week of: April 3 - April 10 (6 days)

Content Area: Chemistry Level II- Modified from [Unit # 4 - The Mole, Chemical Equations, and Stoichiometry](#)

Targeted Goals from Stage 1: Desired Results

Content Knowledge: The metal activity series, and independently the nonmetal activity series, allow for determination that a single displacement reaction will or will not occur. The solubility rules enable us to predict which substances will form precipitates when combined in aqueous solution.

Vocabulary:

Skills: Write a complete and balanced equation, given only the reactants, by name. Assess whether a reaction will occur by referring to an activity series. Predict precipitates by referring to solubility rules.

Expectation:

| Description of Task (s): | Resources and Materials: | Daily Checks (Return to Google Classroom or snapshots from a cell phone) |
|---|---|--|
| Friday: Balancing Chemical Equations <input type="checkbox"/> Watch Edpuzzle video 1 on how to write equations, and take notes, <input type="checkbox"/> complete worksheet, and <input type="checkbox"/> submit completed worksheet and notes from video | <u>Balancing Equations.pdf</u> Edpuzzle - Writing chemical equations <u>KEY Module 2 Worksheet 1.pdf</u> | <u>Copy of Equations WKST 1 Balancing Chemical ReactionsRF.doc</u> |
| Monday: Different types of Chemical Reactions <input type="checkbox"/> Watch Edpuzzle videos 2 and 3 <input type="checkbox"/> Complete Packet on Types of Reactions and Evidence of Reactions as your notes | Edpuzzle - Chemical Reactions Demonstrations Edpuzzle <u>video - Types of Reactions</u> <u>Distance Learning Video Rxn Types Evidence</u> | |

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|---|---|--|
| <input type="checkbox"/> Save as google doc, word doc, or take photo of completed packet to submit by Friday | of Reactions.docx | |
| <p>Tuesday: Recognizing, Writing, and Predicting Products for Combination, Decomposition, Combustion, double displacement, and single displacement reactions.</p> <ul style="list-style-type: none"> <input type="checkbox"/> Watch Video 4 on different types of reactions, take notes <input type="checkbox"/> Read Smartboard notes and copy into your notebook. <input type="checkbox"/> Refer to Organizer of Chemical Reactions <input type="checkbox"/> Complete worksheet 3 <input type="checkbox"/> Submit completed worksheet and notes from video (or notes in notebook), by Friday | <p>Edpuzzle video – types of Chemical Reactions Organizer - TYPES OF CHEMICAL REACTIONS 2018.doc</p> <p>Identifying and Writing Equations.pdf</p> <p>KEY Module 2 Worksheet 3.pdf</p> | <p>Equations WKST3 CombustionCombinationDecompositionMixed.doc</p> |
| <p>Wednesday: Recognizing, Writing, and Predicting Products for Double Displacement Reactions, and identifying soluble and insoluble compounds.</p> <ul style="list-style-type: none"> <input type="checkbox"/> Watch Video 6 on how to use the Solubility rules. Take notes <input type="checkbox"/> Print out Solubility reference sheet if possible, or save where it is readily accessible <input type="checkbox"/> Complete worksheet 5, and label products as <ul style="list-style-type: none"> <input type="checkbox"/> soluble (aq) or | <p>Edpuzzle Video- Solubility Rules</p> <p>Chem Reaction Reference (activity series and solubility).doc</p> <p>KEY Module 2 Worksheet 5.pdf</p> | <p>Equations WKST 5 Double Displacement (Solubility Rules).doc</p> |

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|---|---|--|
| <input type="checkbox"/> insoluble (s) <input type="checkbox"/> Submit completed worksheet and notes from video by Friday | | |
| Thursday: Recognizing, Writing, and Predicting Products for Single Displacement Reactions, <input type="checkbox"/> Watch Edpuzzle video 5 on using the activity series (on yesterday's Chem Reaction Reference) to predict if a Single Replacement reaction will occur. Take notes. <input type="checkbox"/> Complete worksheet 6, and submit completed worksheet and notes from video by Friday. | Edpuzzle video - Making Predictions Using Reactivity Series - Reactions - Chemistry KEY Module 2 Worksheet 6.pdf | Equations WKST 6 Single Displacement Reactions.doc |
| <p style="color: red;">School is closed for Good Friday. We have provided some optional activities for interested students. There is no obligation to complete any of these activities and students will not be behind their classmates if they do not complete them.</p> Friday : Summative Practice Sheet, complete worksheet, and submit completed worksheet Content Check - Google Form Quiz | KEY Module 2 Practice Test.pdf | Equations Practice Test.doc |

Week criteria for success (attach student checklists or rubrics):

- ❑ watched all of the recorded videos and taken notes
- ❑ completed worksheets 1, 3, 5, 6, and practice test, submitted on google classroom for feedback

Supportive resources and tutorials for the week (plans for re-teaching):

- online virtual Q and A help sessions (see Google Classroom for times and invite codes)
- read and re-read the textbook, and watch videos on Edpuzzle again