

Name: \_\_\_\_\_

## Honors Chemistry: Unit 4 Chemical Reactions

Day	Date	Classwork	Homework
1	3/5	VSEPR Lab Physical and Chemical changes WS	Study for test
2	3/6	<b>Test: Unit 3-Bonding</b> Pogil: Shall We Dance? Practice Identifying reactions worksheet	Types of Chemical Reactions Video & Balancing Chemical Reactions Video
3	3/7	Chemical Reactions Organization worksheet <b>Quiz: Physical and Chemical Changes/ID Chemical Reactions</b> Lab: Law of conservation of mass CW: Balancing Chemical Reactions	Predicting Products of Chemical Reactions Video
4	3/8	CW: Predicting Products of Chemical Reactions Worksheet	Predicting Products Worksheet
5	3/9	<b>Quiz: Balancing Chemical Reactions</b> Mixed Reactions Madness Game Predicting Reaction Products	Predicting products Worksheet
6	3/12	<b>Quiz: Balancing chemical reactions and predicting products</b> Single replacement Inquiry Lab Activity series worksheet	Finish the activity series worksheet
7	3/13	Double replacement inquiry lab CW: Solubility Rules CW: Net Ionic Equations	Precipitation Reactions Video
8	3/14	<b>Quiz: Predicting Products Quiz</b> Chemical Reactions Lab CW: Net Ionic Equations	Question #1 What's in Your Water Pre-lab Assignment
9	3/15	Water Quality Analysis (STEM Project) Lab Day 1 Write Net Ionic Equations for reactions that form precipitates	Finish net ionic equations
10	3/16	<b>Water Quality Analysis Lab Day 2—Lab Report due 3/23</b>	Question #2 & 3 What's in Your Water Pre-lab Assignment
11	3/19	<b>Test: Unit 4—Chemical Reactions</b>	

### Chemical Reactions Unit Objectives:

1. Identify types of chemical reactions.
2. Write word equations & chemical reactions.
3. Know when a chemical reaction takes place.
4. Balance chemical reactions
5. Predict the products of chemical reactions.
6. Understand the solubility rules / predict when a precipitate forms.

7. Write net ionic equations.
8. Predict whether or not single replacement reactions occur using the activity series