**Honors Chemistry Unit 10: Redox and Electrochem**

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| **Week** | **Date** | **Assignments** | **Due** | **Textbook Section** | **Objectives** | **Turn in or stamp?** |
| Q4 Week 7 | 5/10 | HW notes 1: Oxidation numbers | 5/11 | 20.1 | 3 | S |
| 5/11 | CW: Oxidation numbers WS | 5/11 | 20.1 | 3 | T |
| HW notes 2: Introduction to Redox | 5/12 | 20.1 | 1 – 3 | S |
| 5/12 | CW: Analyzing Redox Reactions WS | 5/12 | 20.1 | 2 | T |
| HW notes 3: Oxidizing & Reducing Agents | 5/13 | 20.1 | 2 | S |
| 5/13 | CW: Txt bk pg 658 #44 – 53 | 5/13 | 20.1 | 1 – 3 | T |
| HW notes 4: Intro to Electochem | 5/16 | 21.1 | 4 | S |
| Week 8 | 5/16 | CW: Batteries POGIL | 5/16 | 21.1 | 4 | T |
| HW notes 5: Galvanic Cells | 5/17 | 21.1 | 4 – 5 | S |
| 5/17 | CW: Voltaic cells Ws | 5/17 | 21.1 | 5 | T |
| HW notes 6: Calculating Cell Potential | 5/18 | 21.1 | 6 | S |
| 5/18  CP | CW: Calculating Ecell WS | 5/19 | 21.1 | 6 | T |
| HW: Work on Project | 5/24 |  |  |  |
| 5/19 | CW: Electrochemical Cells mini-lab | 5/20 | 21.1 | 4 – 6 | T |
| HW: Work on Project | 5/24 |  |  |  |
| 5/20 | CW: Review for Quiz |  | 20 – 21 | 1 – 6 | T |
| HW: Work on Project | 5/24 |  |  |  |

***\*\*\*Redox and Electrochem Quiz/Test Monday 5/23\*\*\*\****

**Unit 9 Objectives**

1. I can describe the processes of oxidation and reduction.
2. I can identify oxidizing and reducing agents.
3. I can determine the oxidation number of an element in a compound.
4. I can describe a way to obtain electrical energy from a redox reaction.
5. I can identify the parts of a voltaic cell and explain how each part operates.
6. I can calculate cell potentials and determine the spontaneity of redox reactions.