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CW High School
AP Chemistry C

1. **Electrochemistry (50.00%)**

Learning Targets

1.1 **I can explain the relationship between the physical components of an electrochemical cell and the overall operational principles of the cell.**

Learning Target	Descriptor	Definition
4	Proficient	I can explain the relationship between the physical components of an electrochemical cell and the overall operational principles of the cell.
3	Developing	I can distinquish the components of electrochemical cells.
2	Basic	I can calculate the voltage of an electrochemical cell.
1	Minimal	I can determine the REDOX reactions at each half cell.
0	No Evidence	No evidence shown.

1.2 **I can explain whether an electrochemical cell is thermodynamical favored.**

Learning Target	Descriptor	Definition
4	Proficient	I can explain whether an electrochemical cell is thermodynamical favored.
3	Developing	I can calculate the Gibbs free energy.
2	Basic	I can Identify the moles of electrons transfered in half reactions.
1	Minimal	I can calculate the cell potential.
0	No Evidence	No evidence shown.

1.3 **I can explain the relationship between deviations from standard cell conditions.**

Learning Target	Descriptor	Definition
4	Proficient	I can explain the relationship between deviations from standard cell conditions.
3	Developing	I can qualitatively use the Nerst equation to describe the effects on cell potential.
2	Basic	I can communicate differences between cell potential and equilibrium.
1	Minimal	I can identify Q and how it effects cell potential.
0	No Evidence	No evidence shown.

1.4 **I can calculate the amount of charge flow based on changes in the amounts of reactants and products.**

Learning Target	Descriptor	Definition

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AP Chemistry C

Learning Target	Descriptor	Definition
4	Proficient	I can calculate the amount of charge flow based on changes in the amounts of reactants and products.
3	Developing	I can utilize Faraday's laws to determine the stoichiometry of the REDOX reaction.
2	Basic	I can determine the mass of material plated or removed from electrode.
1	Minimal	I can identify moles of electrons transferred.
0	No Evidence	No evidence shown.

2. AP Chemistry Exam (50.00%)

Learning Targets

2.1 I can generate a score of 5(70%) or 4(60%) on a Free Response Portion of AP Exam.

Learning Target	Descriptor	Definition
4	Proficient	I can generate a score of 5(70%) or 4(60%) on a Free Response Portion of AP Exam.
3	Developing	I can generate a score of a 3(50%) on a FR Exam (SBG-3.5)
2	Basic	Students who score a 2 with be giving a SBG of 3
1	Minimal	Students who score a 1 will be giving a SBG of 2.5
0	No Evidence	No evidence shown.

2.2 I can generate a score of 5(70%) or 4(60%) on a Multiple Choice Portion of AP Exam.

Learning Target	Descriptor	Definition
4	Proficient	I can generate a score of 5(70%) or 4(60%) on a Multiple Choice Portion of AP Exam.
3	Developing	I can generate a score of 3(50%) on AP Exam - SBG of 3.5
2	Basic	Students who score a 2 will be giving SBG of 3
1	Minimal	Students who score a 1 will be giving SBG of 2.5
0	No Evidence	No evidence shown.

Submitted on 2/8/2022 by