**CP Chemistry Unit 8 Net Ionic and Redox Reactions-Test Plan**

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| **Key Learning** | **CP Standard/Outcomes** | **Importance** |
| **1** | Net Ionic equations |  |
| **2** | Oxidation-reduction reactions |  |

**Essential Vocabulary:**

* Aqueous solutions
* Solvent and solute
* Electrolyte
* Precipitate
* States of matter
* Solubility
* Solubility rules
* Spectator ions
* Driving force
* Strong acids and bases
* Weak acids and bases
* Salt
* Oxidation number
* Oxidation and reduction
* Oxidizing and reducing agent
* Half-reaction method (acidic and basic conditions)
* Disproportionation

**Equations, Calculations, and Applications:**

* Predict the formula of a precipitate, gas, or molecule (acid/base) including states of matter
* Determine the oxidation number of any atom in a compound
* Select the oxidizing and reducing agents in a redox reaction
* Balance redox reactions by the half-reaction method