**Electrochemistry Formula Sheet:**

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| **Facts to Know:**   1. Oxidation occurs at the anode. 2. Reduction occurs at the cathode. 3. Oxidation occurs with a loss of electrons. 4. Reduction occurs with a gain of electrons. | **Cell Potential:** |
| **Gibbs Free Energy:** | **The Equilibrium Constant:** |
| **The Nernst Equation:** | **The Nernst Equation:** |
| **Unit Conversions for Electroplating:**  \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | **Voltage (emf) and Work:**  **Charge and Current:** |
| **Additional Notes:**   |  |  |  |  |  | | --- | --- | --- | --- | --- | | **Reaction:** | **Cell Potential:** | **Gibbs Free Energy:** | **Equilibrium:** | **Position of K:** | |  |  |  |  |  | |  |  |  |  |  | |  |  |  |  |  | | |