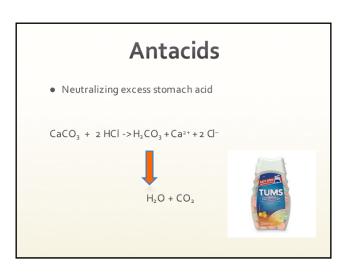
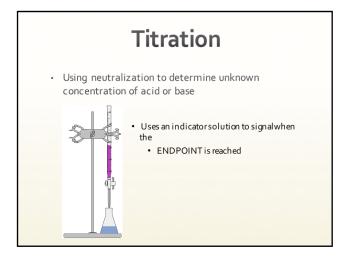
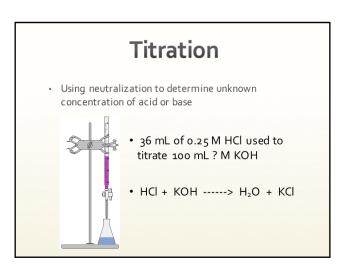
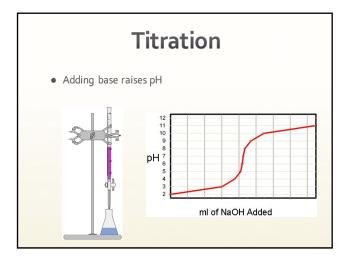


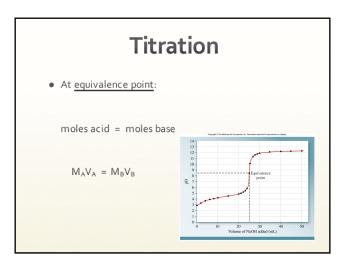
Neutralization • Acid + Base ----> H₂O + salt H₂SO₄ + Ba(OH)₂ --> 2 H₂O +BaSO₄

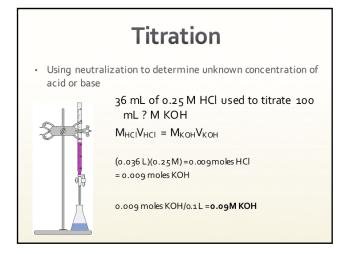


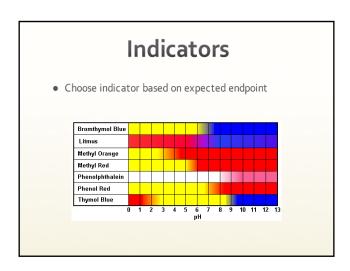




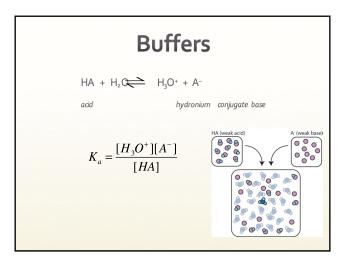


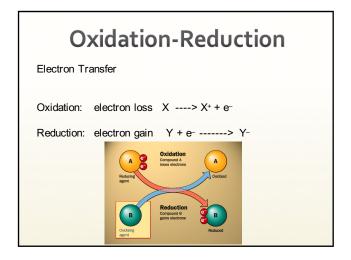


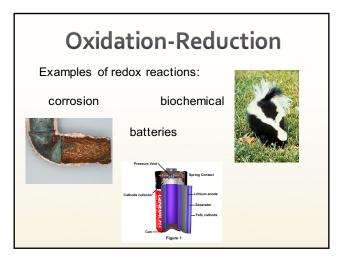


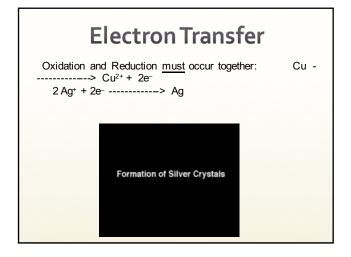


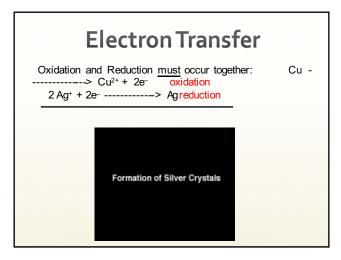


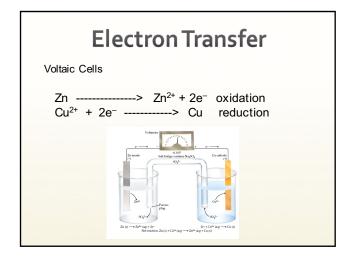


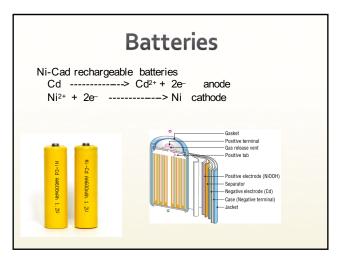


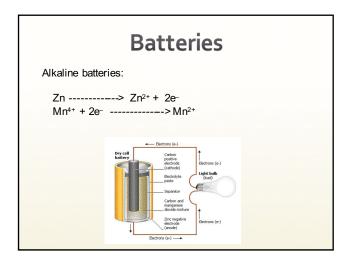


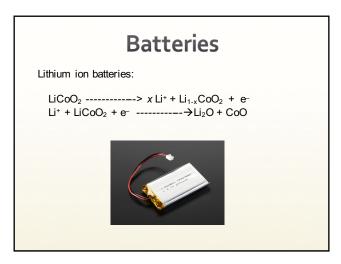


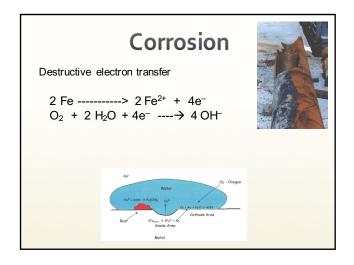


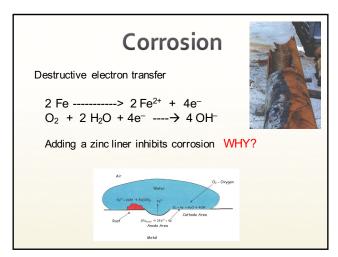


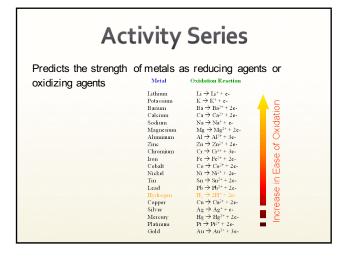


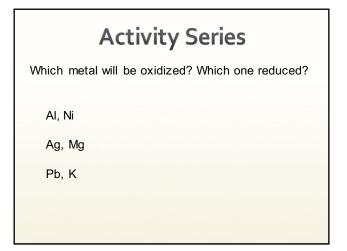












Activity Series

Which metal will be oxidized? Which one reduced?

Al is oxidized, Ni is reduced

Mg is oxidized, Ag is reduced

K is oxidized, Pb is reduced

Unit 4 Review

- Types of Chemical Reactions
- Molarity
- Acid/Base $pH = -log_{10}[H_3O+]$
- · Acid/Base strength pKa
- Oxidation/Reduction
- Metal Activity Series

Unit 3 Review

- Electromagnetic Energy $\lambda v = c$, E = hv
- Electron configurations
- Periodic properties, ionization energy, size, electron affinity
- Valence Electrons, Lewis dot structures
- Molecular Shapes
- Polarity
- Gas Laws; Ideal Gas Law, Partial Pressures

Unit 2 Review

- Balancing chemical equations
- Types of chemical reactions
- Mass percent, empirical and molecular formulas
- Molecular mass and the mole
- Mole <-> gram conversions
- Reaction Stoichiometry; Yield; Limiting Reagent
- Energy of Reaction

Unit One Review

- Units of Measurements: SI units, interconversions
- Scientific Notation & Significant Figures
- Density
- · Temperature Scales
- + Elements, Compounds, Atoms
- · Atomic symbols, atomic mass calculations
- lons and lonic Formulas, Names
- Molecular compounds and Formulas, names
- Acids and their names