1. Stoichiometric relationships

* Percent composition of consumer products (compare to listed standard)

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1. Atomic structure

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1. Periodicity

* Reactivity of a series of elements/compounds

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1. Chemical bonding and structure

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1. Energetics/thermochemistry
   * Heat of reaction
   * Physical properties of substances

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1. Chemical kinetics

* Rates of reactions

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1. Equilibrium

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1. Acids and bases
   * Concentration of commercial acids or bases

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1. Redox processes
   * Electrochemical Cells
   * Electrolytic processes (electroplating, recharging batteries, etc…)

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1. Organic chemistry
   * Synthesis of organic compounds
   * Identification of organic compounds

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1. Measurement and Data Processing
   * Chromatography

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