The 12 Principles of Green Chemistry

Provides a framework for learning about green chemistry and designing or improving materials, products, processes, and systems.

- Prevent Waste
- Aton Economy
- Less Hazardous Synthesis
- Design Benign Chemicals
- Benign Solvents & Auxiliaries
- Design for Energy Efficiency
- Use of Renewable Feedstocks
- Reduce Derivatives
- Catalysis (vs. Stoichiometric)
- Design for Degradation
- Real-Time Analysis for Pollution Prevention
- Inherently Benign Chemistry for Accident Prevention

Green Chemistry: Theory and Practice Anastas, Paul T., Warner, John C.



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