Cleaning Product Ingredient Disclosure

In
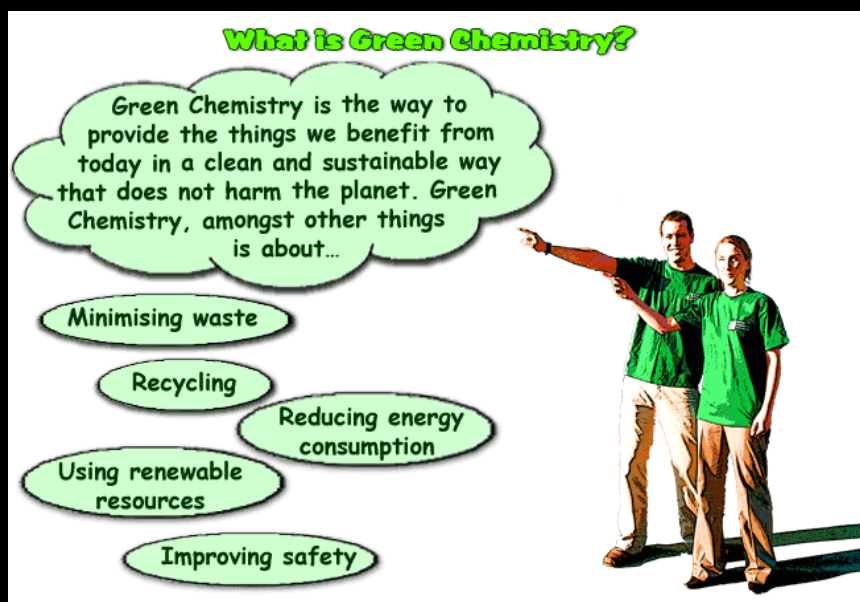## NEW YORK STATE

Evolution of Chemicals Policy

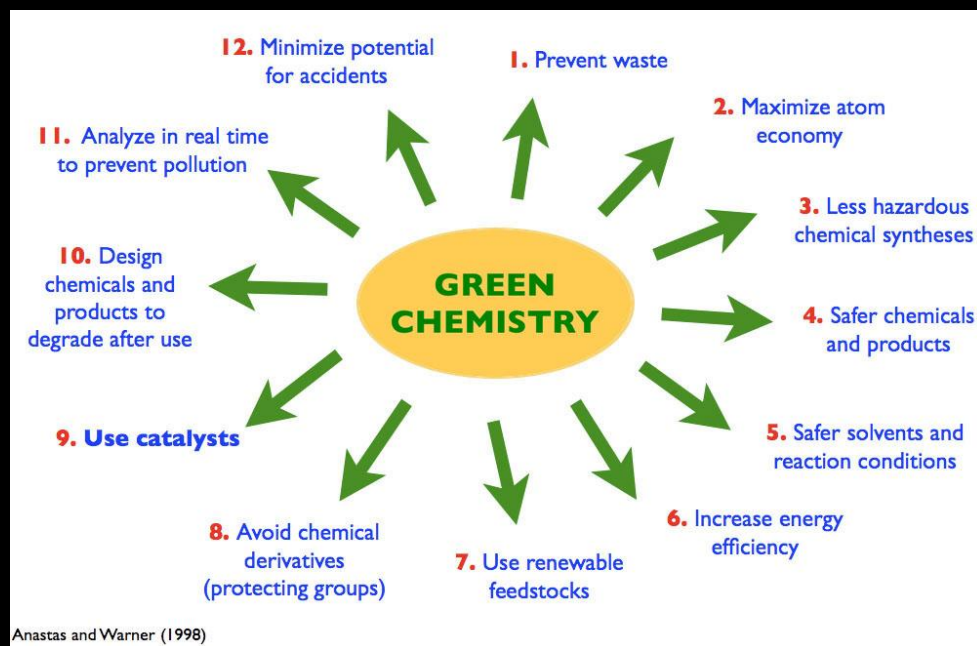End-of Pipe controls & Superfund (1970's – 80's)

→

Pollution Prevention (1990's)

Evolution of Chemicals Policy

Pollution Prevention (1990's) →

Green Product Design, Green Chemistry, Green Procurement, Product Stewardship (2000's)

The 12 Principles of Green Chemistry:
1. Prevent waste
2. Maximize atom economy
3. Less hazardous chemical syntheses
4. Safer chemicals and products
5. Safer solvents and reaction conditions
6. Increase energy efficiency
7. Use renewable feedstocks
8. Avoid chemical derivatives (protecting groups)
9. Use catalysts
10. Design chemicals and products to degrade after use
11. Analyze in real time to prevent pollution
12. Minimize potential for accidents

Anastas and Warner (1998)

► Is there a safer, more environmentally friendly alternative?

► Is it technically feasible and effective?

► Is it available on the market at a competitive cost?

Ingredient Disclosure

► What chemicals do we know, or have reason to believe, are hazardous?

► What products contain such chemicals?

Alternatives Assessment

► What are the alternatives to a hazardous chemical, and how safe are they?

► How can we screen chemicals more quickly?

What Can Government Do?

▶ Require ingredient disclosure

▶ Create guidelines for alternatives assessment

▶ Provide P2 assistance

▶ Buy green products

NYS State Cleaning Product Ingredient Disclosure

➢ Ingredient disclosure law and regs enacted in 1970s

➢ NYS Green Cleaning Law enacted 2005; effective 2006

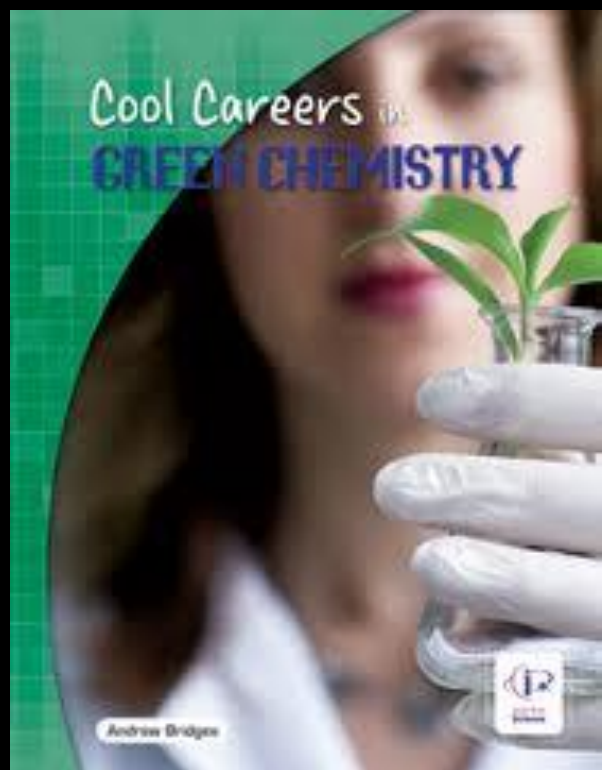➢ EO 4, Green Procurement and Agency Sustainability, signed 2008, continued 2011

GOALS

▶ Provide useful information to New Yorkers

▶ Avoid compromising confidential business information

▶ Allow for easy access, synthesis and analysis

▶ Minimize burden on manufacturers

In General

▶ CAS #, name (where not CBI)

▶ Content by weight (in ranges)

▶ Presence on lists of chemicals of concern

3rd International IUPAC Conference n Green Chemistry

OTTAWA, CANADA
15 - 19 Aug, 2010

Listed at econference...

Biggest Issues

► Uniform categories of products

► Trace ingredients

► Fragrances

► Lists of chemicals of concern

► Company websites vs. centralized database

► Format for reporting

Questions to Discuss

► How best to make reporting uniform with other requirements & build on existing models

► Balancing flexibility with access and ease of analysis

Questions to Discuss

► How to address fragrances

► How to identify chemicals of concern

Susan Komen Green Chemists for the Cure