

Pollutants

- **Genetically engineered (GE) plants and animals**
- **MSG (processed-free glutamate or L-Glutamate)**
- **Artificial growth hormones bovine somatotropin (bST) and recombinant bovine growth hormone (rBGH).**
- **High fructose corn syrup (HFCS)**
- **Processed and genetically engineered (GE) sugar**
- **Artificial dyes (made from coal tar and petrochemicals)**
- **GE pharmaceuticals and cosmetics**
- **Food additives—flavorings, emulsifiers, preservatives**
- **Artificial sweeteners**
- **Endocrine Disruptors – metals, plastics, flame retardants, cosmetics**
- **Synthetically created chemical pesticides, herbicides, insecticides, and fertilizers**
- **Hyper-hybridized (HH) grains**
- **Irradiated ingredients**
- **Sewage sludge**
- **Xenoestrogens – chemicals that provoke or mimic estrogen in the body**

Characteristics of Pollution

1. It is driven by shameless greed - few profit while many suffer
2. Not apparent to the masses until it has done significant damage
3. Impact is often irreversible both micro and macro level
4. Lack of information / misinformation
 - Unchallenged
 - If challenged - driven back by power and influence of businesses with a vested interest
 - Agribusiness
 - Biotech Food Industries



I. The Declining Health of Americans

The U.S. has the distinction of being the unhealthiest wealthy country in the world.

- In a recent report commissioned by the National Institutes of Health (NIH) to study the relentless decline in the health of Americans, the U.S. was compared to 16 other wealthy nations.**
- We came in dead last overall, with the highest mortality rates.**



U.S. in Comparison to Other Developed Nations

- ❑ **Life Expectancy:** The United State's life expectancy is 50th in the world, lagging far behind the other nations of the G5 (Japan, France, Germany, UK).
 - In the 1990's the U.S. was in 11th place.
 - Today, the U.S. is dead last compared to the wealthiest nations.
- ❑ **Cancer -** The U.S. has the 7th highest cancer rate in the world and climbing for children.
- ❑ **Eating Disorders (EDs) -** The U.S. has the highest number of deaths caused by eating disorders in the world
- ❑ **U.S. one of the top ten most obese countries in the world**

Infant Mortality

- ❑ **1960 - U.S. had the 12th lowest infant mortality rate in the world.**

ENTER PROCESSED FOODS

- ❑ **1990 – U.S. had dropped to 23rd place**
- ❑ **2004 - the U.S. ranked 29th (according to the Center for Disease Control's comparative world figures on living standards)**
- ❑ **In 2011 the US ranked 41 out of 45 among industrial nations. Non-Hispanic Whites had higher mortality rates than the rest of the world**