Global Environmental Challenges

- Do we have any Environmental Challenges?
- Are Environmental issues only local? Why or why not?
- Do humans impact the environment? How?
- How can we contribute to a better planet?
- How many Environmental Challenges can you think of?

Water Pollution in Indonesia



Air Pollution in Beijing



Toxic Pollution in Malaysia



Nuclear Pollution in Japan

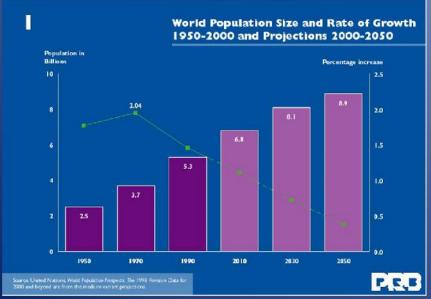




Overpopulation



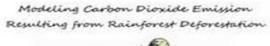






Deforestation

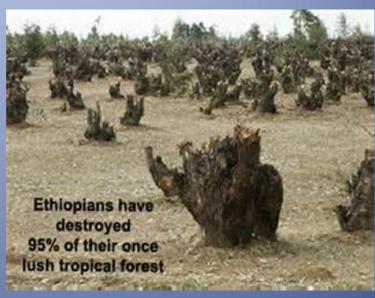






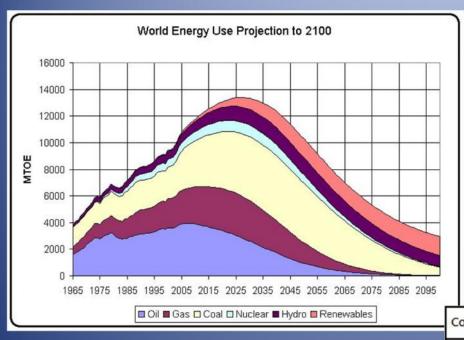
A Preceduate Propert dualing with Elizhoge, Goldet Economy, Environmental Science, and Regression to Study the Long Term Effects of Chinale Change Due to Electrosistion of the Earth's Receptors.

> for China Hernderson and Mr. Jay Vice East Lawrence High Technol Stort Jens





Worldwide use of energy



| omparing | the Environmental | Impacts of | Power | Generation |
|----------|-------------------|------------|-------|------------|
|----------|-------------------|------------|-------|------------|

| | Biomass | Coal | Nuclear | Natural Gas | Solar | Wind |
|---|----------|----------|---------|-------------|----------|----------|
| Planning and Cost Risk | Moderate | High | High | Moderate | Low | Low |
| Climate Change Impact | Moderate | High | Low | High | Low | Low |
| Air Pollution Impact | Moderate | High | Low | Moderate | Low | Low |
| Land Impact | Moderate | High | High | Moderate | Moderate | Moderate |
| Water Impact | Moderate | High | High | High | Low | Low |
| Other Imapcts (Noise Visual Impacts) | Moderate | Moderate | High | Moderate | Low | Moderate |

Urbanization

The Global Environmmental Impact of Buildings



20% 85.ASU WATER



25-40% OF ALL ENERGY USE



30-40% OF GREENHOUSE GAS EMISSIONS



30-40% OF SOLID WASTE GENERATION



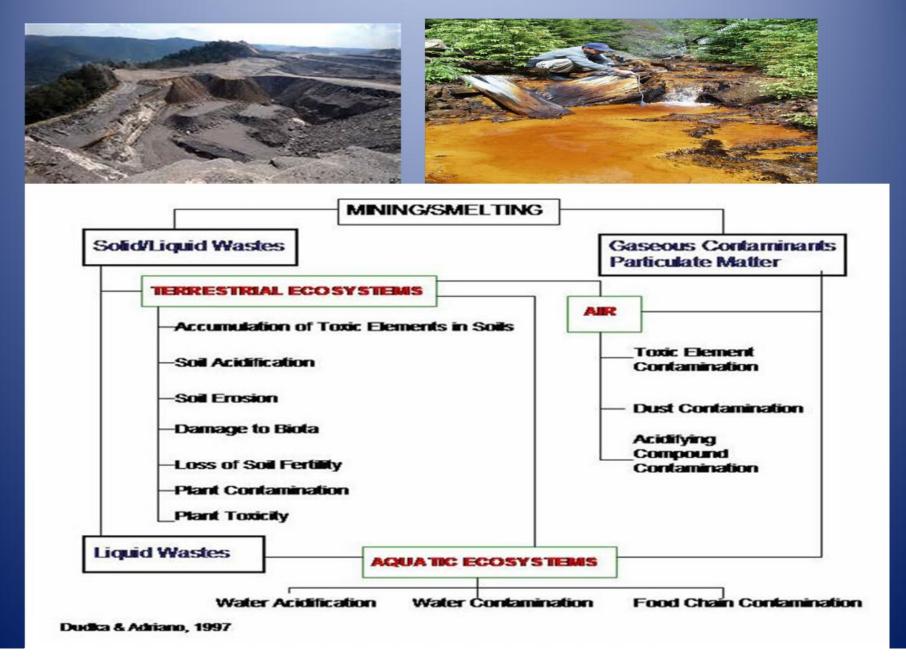
Species Degradation



High Waste Society



Mining for Minerals



Global Climate Change



Some effects of global warming on agriculture

> Loss of biodiversity in fragile environments/ tropical forests

Loss of fertile coastal lands caused by rising sea levels

Increased frequency of

Longer growing seasons in cool areas

IT'S SETTLED ... WE AGREE TO SIGN PLEDGE TO HOLD



20 20 20

Dramatic changes in distribution and quantities of fish and sea foods



Increase in incidence of pests and vectorborne diseases

Long-term fluctuations in weather patterns could have extreme impacts on agricultural production, slashing crop yields and forcing farmers to adopt new agricultural practices in response to altered conditions.

What is the Common Denominator in each of the Environmental Challenges we examined?

HUMANS







Can we make a difference?

- Practice the 5 R's
 - Refuse- Do I really need to buy a new product?
 - Reduce- Can I get by with less?
 - Reuse- Can I repurpose something I already own?
 - Recycle- Can I dispose of my waste more efficiently and use less new resources?
 - Rethink- Can I make PERSONAL day-to-day decisions that are kinder to the environment?

What is the impact of environmental issues on living things?

- WASSEEM
 - W ater
 - A ir
 - S oil
 - pecies
 - cosystem
 - nergy
 - **M** inerals