**Environmental Challenges:**

Biodiversity and soil preservation

Climate change and agriculture production

Climate change and disease

Climate change and GM crops

Climate disruption – flooding­­

Climate disruption – landslides

Extreme weather

Freshwater and disease

Freshwater scarcity & fossil aquifers

Fukushima

Pollution effects (anything but nuclear, plastic and computer parts) (e.g. bioaccumulation in food chain)

Toxic algal blooms

Wildlife overexploitation (pick one; e.g. butterflies, birds, orchids)

Wildlife trade (introduction of invasive species or new diseases)

**Energy:**

Alternative energy tradeoffs, e.g., solar vs. desert tortoise (pick one)

Geothermal (pick a location – could be Tufts)

Food vs. bioenergy

**People:**

Al Gore

Aldo Leopold

Bill McKibben

Gerald Durrell

Henry David Thoreau

John James Audubon

President Theodore Roosevelt

Wangari Maathai

William Temple Hornaday

**Environmental Solutions:**

Agroecological farming (pick a system)

Artificial Reefs

Biodegradable packaging

Biofuels in the developing world

Bioremediation (pick one: heavy metal, oil pollutants, etc.)

Biomimicry (pick a system)

Bird-friendly agriculture

Brownfield redevelopment

Carbon neutral coffee production

Chocolate conservation

Climate adaptation (pick a city)

CO2 and cement

Ecosystem preservation as disaster prevention (pick one: storm breaks, erosion control etc.)

Ecosystem services and public health (pick one)

Food autonomy or locavore movement

Green roofs and (pick one: heat islands, biodiversity, food production)

Habitat management for conservation (controlled burns, species removal, etc.)

Habitat restoration (pick a habitat)

Penguins and oil pollution (mitigation)

Riparian buffer strips and (pick one: salmon, soil erosion, biodiversity)

Stems cells and endangered species conservation

Sustainable bamboo production

Vertical farming