**APES SUPERLATIVES**

**MOST**

Air – 78% N2 (21% O2, 0.9% Ar, 0.1 % other gases)

Soil – 45% minerals (25% air, 25% water, 5% organic matter)

Crust – 46% O2, 28% Si, 8% Al, 6% Fe

Mantle – Iron

Core - Iron

Earth coverage – 70% water

Water – 97% oceans, 3% fresh water

Freshwater – 77.28% ice/glaciers, 22.22% groundwater, .47% surface bodies, 0.03% atmosphere

Greenhouse gas concentrations - H2O, CO2, CH4, CFCs, N2O

Polluted lake in world – Karachay Lake in Russia (nuclear waste)

Polluted lake in US – Onondaga Lake in New York (raw sewage and industrial dumping)

Eaten grain – corn, rice, wheat

Cities most impacted by sea level rise – Guangzhou, Miami, New York City, New Orleans, Mumbai, Nagoya

**HIGHEST**

Population – China (1.4 billion), India (1.3 billion), US (300 million)

Population density/mi2 – Macau (China)

Carbon dioxide emission – coal

Global Warming Potential – CFCs, N2O, CH4, CO2, H2O

Albedo (most reflective)– fresh snow

**FIRST**

Superfund Site – Love Canal

National Park – Yellowstone National Park

President setting aside land for conservation – Theodor Roosevelt

Cloned mammal – Sheep “Dolly”

GMO Crop – FlavrSavr delayed ripening tomato (1994)

Oil well – Drake Oil Well in Pennsylvania (1859)

**LARGEST**

Carbon reservoir – sedimentary rock

Carbon sink – ocean

Energy country energy consumption – China, US, India

Per capita energy consumption – Canada, US, Australia

Coal reserves – US, Russia, China, India, Australia

Oil reserves – Venezuela, Saudi Arabia, Canada

Tar sands deposit – Venezuela, Canada

Meat consumer – US

Renewable Energy Growth in US – wind

Cause of decline in biodiversity – habitat destruction

Dam in world – Three Gorges Dam in China

Dam in US – Oroville Dam in California

Aquifer – Ogallala in central US

Rainforest – Amazon

Deepest lake – Baikal Lake

Longest river in world – Nile River

Longest river in US – Missouri River

Watershed in the US – Mississippi River Basin

**WORST**

Invasive species – Nile perch, European common rabbit, cane toad, Burmese python, snakehead fish, kudzu, Asian mosquito

Global Nuclear Accidents – Chernobyl, Fukushima

US Nuclear Accidents – Three Mile Island

Oil Spills – Exxon Valdez, Deepwater Horizon

Industrial disaster – Bhopal, India