Q: Name the 6 criteria air pollutants.

A: Carbon Monoxide, Sulfur Dioxide, Nitrogen Dioxide, Tropospheric Ozone, Particulate Matter, and Lead.

Q: Name the approximate % of each gas that comprises the Earth's atmosphere.

A: 78% N_2 21% O_2 <1% CO_2

Q: Which 2 criteria pollutants are most often related with acid deposition?

A: SO_X and NO_X

Q: What are the 4 levels of the atmosphere. (In order from bottom to top)

A: Troposphere, stratosphere, mesosphere, thermosphere.

Q: What is the difference between stratospheric ozone and tropospheric zone.

A:Ozone in the troposphere is dangerous to human health, Ozone in the stratosphere helps to block harmful UV radiation from the surface of the Earth

Q: What two pieces of data are compared to explain the greenhouse effect?

A: CO_2 concentrations and mean global temperatures

Q: What happens to water as it warms?

A: It expands which leads to a rise in sea level!

Q: Why do polar regions not get progressively colder each year?

A: heat is transported through the atmosphere and oceans

Q: What is a natural cause of annual CO_2 fluctuations??

A: photosynthetic activity by plants

Q: Aerosols are released by volcanoes, this causes what to happen in the Earth's atmosphere?

A: Cooling!

Q: What evidence would prove that an area is experiencing acid deposition?

A: An increase in the concentrations of dissolved metals, and a decrease in diversity.

Q:What season and where would be the best to see the ozone hole?

A: Spring in the Antarctic

Q: Refrigerators, hair sprays, and air conditioners release what chemical that is harmful to stratospheric ozone depletion.

A: Chlorofluorocarbons (CFCs)

Q: Los Angeles, CA is known for what?

A: Terrible SMOG!!

Q: Cows and other livestock produce what greenhouse gas? What is the chemical formula?

A: Methane CH_4

Q:What are anthropogenic sources of air pollution?

A: Industry, transportation, and energy production.

Q: What are the effects of El Nino on the eastern part of the tropical Pacific Ocean?

A: High Sea surface temperatures and high levels of rainfall.