**History of Air Quality:**  
Have you ever wondered about the history of air pollution?

* In 1948 there was an air pollution inversion. What is an inversion?
* The American Lung Association has played a key role in the review of air quality standards. Describe their historical role.
* Describe renewable energy sources and explain why they have a role in improving air quality.
* [www.californialung.org/spotlight/cleanair03\_milestones.html](http://www.californialung.org/spotlight/cleanair03_milestones.html)

Have you heard about the London Smog Disaster of 1952?

* What does the term "smog" mean?
* What caused the government to notice the high death rate, which was attributed to the air pollution?
* What did the London Smog Disaster of 1952 prompt the government to do?
* [www.portfolio.mvm.ed.ac.uk/studentwebs/session4/27/greatsmog52.htm](http://www.portfolio.mvm.ed.ac.uk/studentwebs/session4/27/greatsmog52.htm)
* How did the meteorological conditions contribute to the London Smog Disaster of 1952?
* <http://weather.about.com/library/weekly/aa121402a.htm>

Let's look at the environmental history timeline.

* What are some dangerous myths that have emerged among people that don't understand the history of environmental issues?
* [www.environmentalhistory.org/](http://www.environmentalhistory.org/)

**Air Quality:**  
Let's learn some basics of air quality.

* How much of the world's population is exposed to unhealthy air?
* What are some of the contributors to air pollution?
* Several barriers exist to improving air quality. What are some of these challenges?\
* [www.cdc.gov/nceh/globalhealth/priorities/airpollution.htm](http://www.cdc.gov/nceh/globalhealth/priorities/airpollution.htm)
* Describe the major air pollutants resulting from burning of fossil fuels.
* Why are persistent organic pollutants (POPs) a global concern?
* [www.unep.org/geo/geo3/english/366.htm](http://www.unep.org/geo/geo3/english/366.htm)

B. Go to the website: <http://www.epa.gov/gateway/learn/airpollution.html>

1. What are the six common air pollutants? What are some health concerns for each?

What is AQI? Explain briefly what AQI tells us.

3. What is the difference between good ozone and bad ozone?

4. What causes “bad ozone”?

Go to the website: <http://www.epa.gov/acidrain/>

1. What causes acid rain?

2. What are the effects of acid rain? Name some specific ecological problems associated with it.