**Glue this side down!**

Name \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Mod \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Air Pollution Webquest**

**Indoor Air Pollution**

<http://home.howstuffworks.com/home-improvement/household-safety/tips/indoor-air-pollution.htm>

1. What’s worse indoor air pollution or outdoor air pollution, why?
2. Where does indoor air pollution come from?
3. What are some of the long term side effects caused by indoor air pollution?
4. What do indoor air pollution meters test for?
5. What are the sources of the following pollutants?
   1. Formaldehyde/PCB’s
   2. Asbestos
   3. Radon
   4. Biological contaminants
6. How does air pollution on an airplane compare with that experienced in your home?
7. What was in the FEMA trailers that were making the residents sick?
8. How many known cancer causing compounds are in tobacco smoke?
9. What is the second leading cause of lung cancer?
10. What are some things you can do to decrease your exposure to indoor air pollution?

<http://www.lung.org/associations/charters/mid-atlantic/air-quality/indoor-air-quality.html>

1. What is source control?
2. What are some ways to control the following pollutants from being added to the air?
   1. Biological pollutants
   2. Secondhand tobacco smoke
   3. Combustion pollutants
   4. Radon
   5. Asbestos
   6. Formaldehyde
3. Where does poor indoor air quality rank as environmental threats?

Asthma: <http://www.nhlbi.nih.gov/health/health-topics/topics/asthma/>

1. What is asthma?
2. How many people in the United States have asthma?

Pick one of the indoor air pollutants below and answer the following questions about it:

Radon Tobacco Smoke Biological Contaminants

Carbon Monoxide Combustion by-products Dust

Formaldehyde Nitrogen oxides Ozone

Particulates Pesticides Volatile Organic Compounds

1. What are common sources of this pollutant?
2. What are the symptoms associated with exposure to this pollutant (short term and long term)?
3. What can be done to control the amount of this pollutant in your home?
4. How can you test for the presence of this pollutant in your home?

Extension Task: **Noise Pollution**

Noise pollution is unwanted man-made sound that penetrates the environment. Noise pollution can be caused by many sources including highways, vehicles, police cars, ambulances, factories, concerts, music, air-conditioners, engines, machine, aircraft, helicopters, alarms, public address systems, industrial development and construction work. In general, **noise pollution** refers to any noise irritating to one's ear which comes from an external source. The word "noise" comes the Latin word "nausea" meaning seasickness.

**Research to answer the following questions:**

1. How does military SONAR kill marine mammals?

1. What is infrasonic sound?
2. What type of noise pollution escalated rapidly in the late 1990s?
3. What authorities are usually responsible for protecting against noise?

1. What percentage of people bothered by noise will file an official complaint?