



Name: _____

Group: _____

Effects on Health

PART 1: ASTHMA & AQI

1. Watch the "What's Asthma All About?" movie and answer the following question on the *Effects on Health* student worksheet about the movie.
 - What are some triggers of asthma?

2. Review the Effects of Common Air Pollutants.

3. Obtain the real time ozone or particle pollution levels for your area through the AIRNow web site.
 - Do you think the current air quality levels might cause a person with asthma to suffer from an asthma attack? Why or why not?

 - Do you think the current air quality levels might affect a person with cardiovascular disease? Explain.

4. Look at the current air quality map of U.S.
 - a. Is there another area of the country that might pose a health threat to people who live there that have asthma? Where?

5. What can a person with asthma do to limit exposure to triggers?

PART 2: USING HEALTH RELATED DATA

Using the American Lung Association data, click on your state and county and answer the following questions. If your county is not listed, select one that is closest to you.

1. What is your county's grade for High Ozone Days? _____

2. What is your county's grade for Particle Pollution? _____

3. What is your county's Total Population? _____

4. How many people are diagnosed with the following diseases in your county and what is the percentage compared to the total population for your county?
 - Pediatric Asthma (children under the age of 14)

 - Adult Asthma

 - Chronic Bronchitis

 - Emphysema

 - Cardiovascular Disease

5. Click back to your state's data and click on the "Groups at Risk" tab. Which county has the highest percentage of people diagnosed with the following and how does it compare to your county?
 - Pediatric Asthma (children under the age of 14)

 - Adult Asthma

 - Chronic Bronchitis

 - Emphysema

 - Cardiovascular Disease

