



## Acid Rain Webquest

Go to <http://www.epa.gov/acidrain/index.html>

1. What are the precursors or chemical forerunners of acid rain?
2. How does acid rain occur and what chemicals are produced?
3. How is acid rain measured?
4. What is the normal pH of rain water? What is the weak acid that is in normal rain water?
5. What is the pH of most acid rain falling in the US?

Follow the link for the National Atmospheric Deposition Program. Go to the Isopleth Maps, then the Annual Isopleth Maps, and select 2006 and then select the lab pH map. Answer the following questions:

6. What region of the US has the lowest pH value of acid rain?
7. What would be a good explanation for that region having the most acid rain?
8. What was the pH value of the rain in our town?
9. Open the 1994 pH lab map. Compare the two maps. Select at least three states and comment on the acid rain values. How would you account for the change?

10. What are the effects of acid rain? List at least five.



11. How does acid rain affect lakes and streams and aquatic animals? Read this whole page and then write at least five sentences in your own words!

12. How does acid rain affect your car?

13. How does acid rain affect your health?

14. How can we reduce acid rain?

15. How can you as an individual take steps to reduce the causes of acid rain?

