**TOPICS FOR ACTIVITIES CONCERNING THE FIRST MODULE**

1. Search for information about man-made sources of atmospheric polluttants compairing their contribution to the air pollution in your countries.



**Science News**

*from research organizations*

Global report reveals dire state of fisheries, worsening air pollution

*Date:* January 25, 2016

*Source:* Yale School of Forestry & Environmental Studies

*Summary:* According to the 2016 Environmental Performance Index, which provides a diagnostic tool for policymakers to evaluate and improve environmental performance, the world's nations have expanded access to water and sanitation while creating more protected areas than ever before. However, countries have failed to reverse degradation of air quality and decline in fisheries.

[*https://www.sciencedaily.com/releases/2016/01/160125125602.htm*](https://www.sciencedaily.com/releases/2016/01/160125125602.htm)

1. Search for information about the damages of the atmospheric polluttants on human health.

Compare data on the diffusion of the main diseases in your countries.

# Air Pollution–Related Illness

By **Lee S. Newman, MD, MA**

[**https://www.merckmanuals.com/professional/pulmonary-disorders/environmental-pulmonary-diseases/air-pollution-related-illness**](https://www.merckmanuals.com/professional/pulmonary-disorders/environmental-pulmonary-diseases/air-pollution-related-illness)

1. Search for information about the causes of the acid rain. What are the consequences of acidity on living beings? How serious is this problem in your countries?

# Soils Start Comeback after Acid Rain Damage

*Cuts to emissions of sulfur dioxide and nitrogen oxides help restore natural balance*

* By [Janet Pelley](http://www.scientificamerican.com/author/janet-pelley/), [Chemical & Engineering News](http://www.scientificamerican.com/author/chemical-engineering-news/) on November 11, 2015

<http://www.scientificamerican.com/article/soils-start-comeback-after-acid-rain-damage/>

1. Show the reactions responsible for the formation and the destruction of the ozone molecules into the stratosphere. What are the causes of the ozone depletion? Explain the reason why this phenomenon occurs mostly on the South Pole.

# 2015 Antarctic ozone hole 4th largest on record

# Scott Sutherland **Meteorologist/Science Writer**

# Thursday, October 29, 2015, 7:47 AM - After apparently [holding fairly steady with 2014 for most of the year](http://www.theweathernetwork.com/news/articles/nasa-and-noaa-report-antarctic-ozone-hole-remains-steady-for-2014/38958/), the Antarctic ozone hole in 2015 has now reached the fourth largest extent on record. Here's why.

# <http://www.theweathernetwork.com/news/articles/2015-antarctic-ozone-hole-4th-largest-on-record/59102>

1. Most of the biggest cities in the world are afflicted by the particulate matter.

**Pollution In India Higher Than China: Greenpeace**

[India News](http://www.ndtv.com/india-news) | Press Trust of India | Monday February 22, 2016

NEW DELHI:  India has overtaken China's air pollution levels in 2015 and the average particulate matter exposure was higher for the first time in the 21st century, a Greenpeace analysis of NASA satellite data has shown.

[**http://www.ndtv.com/india-news/pollution-in-india-higher-than-china-greenpeace-1280031**](http://www.ndtv.com/india-news/pollution-in-india-higher-than-china-greenpeace-1280031)

How serious is this problem in the capitals of your countries?