# Environmental Science Chapter 6: Study Guide

#### Section 1

Definitions

Air pollution Primary pollutant Secondary pollutant

- Know the five primary air pollutants, their sources and their effects
- Be able to understand the graphs on page 153
- Know the Clean Air Act and what the EPA is
- Know at least one type of car that runs on little to no gasoline
- Know where pollution is worse
- Know what industry pollutants are produced, what industries are the top pollutants

#### **Section 2**

Definitions

Sick-Building Syndrome

- Know the four diseases that are aggravated by air pollution
- Understand why newer homes tend to have an accumulation of indoor pollutants
- Know the two pollutants that are found in indoor pollution
- Read and understand the case study on pages 158 and 159

#### Section 3

Definitions

## Acid Precipitation

Acid Shock

- Understand how acid rain forms
- Know the effects of acid rain
- Know how acid rain kills organisms
- Know one of the ways in which acid rain can be countered
- Understand weather patterns and their effect on acid rain precipitation as well as legislation/regulations that has occurred due to these weather patterns

### Who Killed the Electric Car?

- Know the suspects that Chris Paine mentioned in the movie and who he finds guilty and not guilty
- Know what C.A.R.B stands for
- Know which car company was the first to mass market an electric vehicle
- Know the name of that first mass-marketed car
- Be able to give a detailed summary of the movie
- Be able to form a comprehensive opinion of the suspects' guiltiness

#### **Asthma Article**

- Know the characteristics of the three diseases
- Know what lung cancer is and what the major causes are

## **Car Article (you found this)**

- Be able to summarize your article
- Be able to form a comprehensive opinion of the article's points

# **Are Electric Cars the Cure for Air Pollution?** (Page 170-171)

- Understand the main points of this article
- Be able to list some of the alternative solutions for reducing air pollution
- Be able to explain the benefits and disadvantages of electric cars
- Be able to form a comprehensive opinion on whether electric cars are a viable air pollution reducer for the future

# Acid Rain Readings (pre-lab readings)

- Know what acid rain is and how it forms
- Understand the difference between wet deposition and dry deposition
- Be able to list at least two ways that acid rain can be reduced
- Know where acid rain reduction must occur
- Understand the EPA's role in reducing acid rain
- Be able to list at least two ways in which you, personally, can reduce acid rain