

ENVIRONMENTAL SCIENCE
JUNIOR FINAL EXAM STUDY GUIDE

Chapter 12: Air

Vocabulary/concepts

Ground-level ozone
Scrubber/controlling emissions
Radon gas
Ph - Acid rain
Temperature inversion
Air pollution - outdoor/indoor/light/noise/international
Primary and secondary pollutants
Short and long term effects of air pollution
Sick building syndrome

Chapter 13: Atmosphere and Climate Change

Vocabulary/concepts

Climate vs. weather
Factors that determine climate
Seasons
The ozone layer
Greenhouse gases/Greenhouse Effect
Global warming - how does it happen/effects on plants and
Animals/environments
Kyoto protocol
Ocean currents/temps - el Nino and la Nina/
CFCs - Chlorofluorocarbons

Chapter 11: Water

Vocabulary/concepts

Aquifer/watershed (largest in US)/potable
Biomagnification
Nonpoint-source pollution
Point-source pollution
Clean Water Act
1990 Oil Pollution Act
Recharge zone
Artificial eutrophication
Pathogen

Reservoir
Water purification
Desalination
Water conservation
Sewage sludge
Freshwater resources
Water uses in homes, industry and agriculture
Dams/channels - water diversions

Chapter 19: Waste

Vocabulary/concepts

Waste - most comes from?
Non- and Biodegradable
landfills
surface impoundment
deep-well injection
RCRA
Green plastic/degradable plastic
Agricultural waste
Manufacturing waste
Municipal waste
Waste treatments
Recycling - how do make sure it happens?
incinerators
Composting
Hazardous waste
Superfund Act
The Love Canal - case study

Chapter 20: The Environment and Human Health

Vocabulary/concepts

Toxicology
Epidemiology
Dose-response curve
Particulates
Risk assessment
Inadequate waste disposal
Organophosphate poisoning - pesticide
Pathogen - bacteria - cholera

Host

Vector - carrier - mosquitos, mice,

Emerging virus - HIV, west nile, EEE,

Cross-species transfer - 'swine flu', 'bird flu'

MRSA virus (really a bacterium)

MDR TB - multi-drug resistant Tuberculosis

Chapter 6 and 7 - BIOMES

KNOW *YOUR* LAND AND WATER BIOMES!!!

What factors determine the characteristics of a biome?

**REVIEW/REREAD EACH CHAPTER, DO CHAPTER
REVIEWS BASED ON THE ABOVE INFORMATION**

**USE OLD TESTS, CONCEPT REVIEW PACKETS, AND
NOTES TO STUDY!**