

AP Environmental Science Summer Assignment

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I. Choose ten case studies from the following list. Research and write a 400 word summary in your own words for each case study. Focus on the key environmental issues with each situation.

Chernobyl 1986	Colorado River
3 Mile Island 1979	James Bay
Dust Bowl 1930's	Ogallala Aquifer
Mt. St. Helen's 1980	3 Gorges Dam
Tsunami Dec. 26 th , 2005	BST
Peppered Moth	GMF's
Galapagos Finches	Irish Potato Famine
India 1952 family planning	Minamata
China 1972-2000 population	Roundup Ready Foods
Uganda – HIV	Bhopal, India 1984
Arial Sea 1970	DDT 1939
Aswan Dam, Egypt	Silent Spring, Rachel Carson
Bangladesh	Exxon Valdez
Disposable Diapers	Khian Sea 1986
Love Canal	Agent Orange

II. Write a brief summary outlining the environmental contributions of each of the following names:

Rachel Carson

Hugh Bennett

John Audobon

Ansel Adams

Paul Erlich

Garrett Hardin

Lois-Marie Gibbs

Aldo Leopold

John Muir

Gifford Pinchot

Theodore Roosevelt

Upton Sinclair

Thoreau

III. Define each of the following “Buzz Words” for AP Environmental Science:

Bioaccumulate

Biomagnify

Fugitive Emissions

Birth Dearth

LD 50

Synergistic effects

Green Revolution

Blue Revolution

Effluent

Chronic

Acute

Influent

Pandemic

Endemic

Oxygen sag

Emmergent

Commons

Eutrophic

GMO

GMF

Criteria pollutant

Rehabilitate

Remediate

Ambient air

Reclamation

Reduce

Greenhouse Gases

1st and 2nd laws of thermodynamics

NIMBY

Point Source

Sustainable

IPM

Non-Point Source

BMP

Exotic Organism

Strategic metals and minerals

Grasshopper effect

Primary and secondary air standards

POP's