**AP Environmental Science Chapter 11 Reading Guide**

What are the three general patterns related to marine biodiversity?

HIPPCO : Identify and give examples.

What is the cause of Ocean Acidification and what are is its impact on the environment?

Discuss the ecosystem services that Mangrove forests provide.

What is a fishery, and what at the methods used to harvest fish? Discuss the impacts of each.

What is Commercial Extinction, and biological extinction?

What are the causes of “The Great Jellyfish Invasion” and why is this a problem?

Why should we protect Sharks?

What devices are used to prevent the netting of Sea Turtles? Why are sea turtles important in the marine ecosystem?

What are marine protected areas (MPAs)? What are there benefits?

What is the precautionary principle?

Give the reasons that it is difficult to protect marine biodiversity.

**Laws: Identify and describe the following**

CITES

U.S. Marine Mammal protection Act of 1972

Global Treaty on Migratory Species 1979

National Wild and Scenic Rivers Act 1968 (p. 270)

What are marine hotspots?

How should we protect and sustain Wetlands?

Why were the Florida Everglades destroyed and why is it important to restore it.

List the Ecosystem and Economic services of freshwater Ecosystems (see. p. 178 and p. 270).

What are the current issues that put Freshwater Ecosystems in jeopardy? Give examples and how they occurred.

**Vocabulary:**

Maximum sustained yield (MSY) Optimum sustained yield (OSY) Multispecies management

Integrated coastal management Mitigation banking Aquaculture