

Unit 1

Characteristics of a biosphere

I. Characteristics of a biosphere

- A. Ecology
 - 1. Study of _____ and their interactions with the _____
- B. The _____
 - 1. Includes all _____, _____ and _____
 - Darkest depth of water to 8km into the atmosphere
 - 2. _____ factors—All living parts of the environment:
 - _____, _____ and other _____
 - 3. _____ Factors—All non-living factors:
 - _____, soils, light, _____, etc.
 - 4. _____ is an area that is made of populations and _____ factors
 - 5. _____ is the type of _____ in which a particular species lives

II. Land Biomes

- A. _____ is a large group of similar ecosystems
 - 1. Determined by the _____

III. _____ Ecosystems

- A. Determined by _____, _____, and chemistry of the overlying water.
 - 1. Grouped by _____ factors effecting it

IV. _____ Ecosystems

- A. Two Types
 - 1. _____ water
 - _____, _____, creeks and brooks
 - Organisms adapted to flow rate of the water
 - Catfish have suckers
 - Trout have streamlined bodies to flow in the water

- 2. _____ water
 - _____ and _____
 - Flowing _____ helps circulate _____
 - Supplied with _____ that could not live in flowing water

V. _____

- A. _____ – where rivers meet the sea
- B. Mixture of _____ and _____ water
- Spawning area for:
 - _____
 - _____ (crab and shrimp)

VI. _____ Ecosystems

- A. Two types:
 - 1. _____ zone: Well-lit upper layer where _____ occurs
 - 2. _____ zone: Below _____ zone; is permanently dark
- 3. Ocean divided into _____ zones based on _____ and _____ from shore
 - _____ Zone
 - _____ Ocean
 - _____ Ocean
- 4. _____ Zone:
 - organisms experience _____ and _____ changes
 - Each day they are submerged in _____ and then exposed to _____
 - ex: black algae, mussels, snails, sea urchins, sea stars ect.
- 5. _____ Ocean:
 - Extends from _____ mark to the _____ shelf
 - Composed of _____ forests
 - Supports Snails, Sea Urchins, Sea Otters, Fish, Seals and Whales
- 6. _____ Reefs
 - Named for _____ animals with hard, _____ skeletons
 - Animals cannot grow in cold water or water low in salt