Diversity In Ecosystems 3

**Outcomes: (NLS-1, 118-2, 318-1, 318-6), (318-5)**

**Content:**

**Ecology:** Branch of science that deals with interactions among organisms and between \_\_\_\_\_\_\_\_\_\_\_\_\_ and their \_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Ecosystem:** A self-supporting community of \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ interacting with each other and the nonliving environment to produce a \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Habitat:** Where an organism \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Population:** \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ living in an ecosystem or habitat

**Community:** \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ of species in an ecosystem or habitat

**Biotic Factors:** The \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ of the environment

* Decomposers, animals, plants

**Abiotic Factors:** The \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ of the environment

* Space, temperature, oxygen, light, water

**How do biotic and abiotic factors affect ecological interactions?**

* They both contribute to the characteristics of an \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
* \_\_\_\_\_\_\_\_\_\_\_\_\_\_ factors influence the distribution of organisms in an area
* \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ factors depend on the presence of other living things
  + \_\_\_\_\_\_\_\_\_\_\_\_\_\_ relationships can’t exist if there is no predator

**STSE #1: The Diversity of Life…….Students read and answer questions**