**Populations**

**Biosphere**: Encompasses all \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_. Any place on \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ (land and water) and within the \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ that life can exist.

**Biomass:** The \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ of all living matter within the ecosystem. Biomass is measured in \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ or by \_\_\_\_\_\_\_\_\_\_\_\_\_ (eg. Square meter)

**Population:** A group of organisms of the same \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ that exist in the same place at the same time. Members of a population can join or leave. A population can change with \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ and \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_, \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ and \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.

**Carrying Capacity**: The \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ number of organisms of a particular species that can be \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ by a particular environment. Populations usually fluctuate \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ the carrying capacity.

**Community:** All the \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ populations of \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ species living in an ecosystem.

**Biotic Factors:** \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ parts of an ecosystem.

**Abiotic Factors:** \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ parts of an ecosystem.

***Brainstorm: What are some factors that limit population growth?***

**Compare and Contrast**

|  |  |
| --- | --- |
| Density-Dependent | Density-Independent |
|  |  |