**Biology: Introduction to Ecology Name**:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**DUE: Friday BOC**

**Instructions:** Define the following key terms using your textbook and the online text that has been linked on my digital portfolio.

***Study Tip***: Define these terms on flashcards or split page notes to serve as a study tool later on.

**Key Terms**

|  |  |
| --- | --- |
| Trophic Level | Primary Producer |
| Primary Consumer | Secondary Consumer |
| Tertiary Consumer | Species |
| Population | Community |
| Ecosystem | Biome |
| Biosphere | Biodiversity |
| Bioaccumulation | Succession |
| Niche | Mutualism |
| Commensalism | Parasitism |
| Carrying Capacity | Genetic Diversity |
| Natural Selection | Extinction |
| Extirpation | Gene Pool |
| Vulnerable Species | Endangered Species |
| Exotic Species | Habitat Fragmentation |
| Invasive Species |  |

**Instructions:** Complete the tables below for the 6 Colorado Life Zones using the link on my digital portfolio.

|  |  |
| --- | --- |
| **Life Zone** |  |
| **Elevation Range** |  |
| **3+ Indicative Animal Species** |  |
| **3+ Indicative Plant Species** |  |

|  |  |
| --- | --- |
| **Life Zone** |  |
| **Elevation Range** |  |
| **3+ Indicative Animal Species** |  |
| **3+ Indicative Plant Species** |  |

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| --- | --- |
| **Life Zone** |  |
| **Elevation Range** |  |
| **3+ Indicative Animal Species** |  |
| **3+ Indicative Plant Species** |  |

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| --- | --- |
| **Life Zone** |  |
| **Elevation Range** |  |
| **3+ Indicative Animal Species** |  |
| **3+ Indicative Plant Species** |  |

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| **Life Zone** |  |
| **Elevation Range** |  |
| **3+ Indicative Animal Species** |  |
| **3+ Indicative Plant Species** |  |

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| --- | --- |
| **Life Zone** |  |
| **Elevation Range** |  |
| **3+ Indicative Animal Species** |  |
| **3+ Indicative Plant Species** |  |

**Instructions:** Diagram three key ecological cycles using information from your textbook.

**Diagram the Nitrogen Cycle**

**Diagram the Carbon Cycle**

**Diagram the Water Cycle**

**Interpret this quote as it relates to ecology and reflect on your own interactions with the Biome in which you live.**

“There are two spiritual dangers in not owning a farm. One is the danger of supposing that breakfast comes from the grocery, and the other that heat comes from the furnace.”***Good Oak*,**[**ASCA**](http://www.aldoleopold.org/greenfire/quotes.shtml#ASCA)

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