**Name:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Hr. \_\_\_\_**

**Ecology: Preserving the Animal Kingdom**

1. **Ecology----**
2. **Habitat---**
3. **Abiotic Factors: (non-living)**
   1. **Tolerance range---**
   2. **Range of optimum----**
   3. **Limiting factor----**
   4. **Energy---**
      1. **Autotrophic---**
      2. **Heterotrophic---**
   5. **Temperature---**
      1. **Torpor----**
      2. **Hibernation---**
      3. **Winter Sleep---**
      4. **Aestivation----**
      5. **Other Abiotic factors:**

**-----Moisture, light, geology and soils.**

1. **Biotic Factors: (living)**
   1. **Population growth---**
      1. **Survivorship Curves:**
         1. **Type I (convex)----**
         2. **Type II (diagonal)---**
         3. **Type III (Concave)----**
      2. **Environmental Resistance------**
   2. **Interactions:**
      1. **Herbivory and Predation**

**----Plants---herbivores----predators**

* + 1. **Competition---**
    2. **Coevolution----**
    3. **Symbiosis---**
       1. **Parasitism---**
       2. **Commensalism---**
       3. **Mutualism-----**

1. **Trophic Structure**
   1. **Ecosystems-----**
   2. **Food Chain-----**

**--ex. Grass—grasshopper---shrews---owls**

**c. Food Webs---- (fig. 6.10 p. 92)**