**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)**