**Species Interactions** (p. 133 – 140)

**I. The Niche & Competition**

 **1. Define the term niche in two ways.**

 Niche –

 -

 **2. Define the term tolerance and give examples of specialists and generalists.**

 Tolerance –

 Specialists : \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

 Generalists : \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

 **3. Match each type of competition with the correct definition.** *(Some not in the book)*

 1. \_\_\_\_\_ Character Displacement A. Competition between different species

 2. \_\_\_\_\_ Competitive Exclusion B. Resources divided by specialization

 3. \_\_\_\_\_ Contest Competition C. Resource competition without direct contact

 4. \_\_\_\_\_ Interspecific Competition D. Hierarchal order within a species

 5. \_\_\_\_\_ Intraspecific Competition E. Competition among members of the same species

 6. \_\_\_\_\_ Resource Partitioning F. Reduction of competition due to natural selection

 7. \_\_\_\_\_ Scramble Competition G. Competition of areas, mates, or possessions

 8. \_\_\_\_\_ Social Dominance H. Competition involving physical contact

 9. \_\_\_\_\_ Territoriality I. One species removes another from the niche

 **4. How is a fundamental niche different than a realized niche?**

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**II. Predation, Parasitism, & Herbivory**

 **1. Match the terms with the correct definitions.**

 1. \_\_\_\_\_ Herbivory A. One species hunts, captures, kills, and consumes another species

 2. \_\_\_\_\_ Parasitism B. Interaction of an animal feeding on a plant

 3. \_\_\_\_\_ Predation C. Long-lasting, close association of two species

 4. \_\_\_\_\_ Symbiosis D. One species depends on another species for nourishment

 **2. Explain how wolves and moose exhibit population cycles.**

 **3. Give examples of the following prey adaptations.** *(Some not in the book.)*

 1. Alarm Calls : \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

 2. Camouflage : \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

 3. Distraction Displays : \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

 4. Mimicry : \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

 5. Poisons : \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

 6. Protective Coverings : \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

 7. Shells : \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

 8. Thorns : \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

 9. Warning Coloration : \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**III. Mutualism & Commensalism**

 **1. Define the following terms and give an example of each type of interaction.**

 Mutualism –

 *Example* : \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

 Commensalism –

 *Example* : \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_