**Community Stability** (p. 149 – 155)

**I. Ecological Succession**

**1. Define the term succession.**

Succession –

**2. Which takes longer to occur?**

Circle One : Primary Succession Secondary Succession

**3. Define the term primary succession.**

Primary Succession –

**4. Identify types of plants that dominate during primary succession.** *(Approximate years)*

Year 0 – 15 : \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Year 16 – 35 : \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Year 36 – 80 : \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Year 81 – 115+ : \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**5. What are lichen and how are they type of pioneer species?**

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**6. Define the term secondary succession.**

Secondary Succession –

**7.** **List examples of disturbances that can start secondary succession for a community.**

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**8. Identify types of plants that dominate during secondary succession.** *(Approximate years)*

Year 0 – 3 : \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Year 4 – 5 : \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Year 6 – 20 : \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Year 21 – 40+ : \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**9. List the steps of how secondary succession occurs in aquatic habitats.**

1. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

2. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

3. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**10. How does a climax community develop?**

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**II. Invasive Species**

**1. Define the term invasive species.**

Invasive Species –

**2. How can an introduced species become and invasive species?**

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**3. Match the invasive species with the correct definition***. (Some not in the book.)*

1. \_\_\_\_\_ Africanized Bee A. Invasive plant; “The vine that ate the South”

2. \_\_\_\_\_ Asian Carp B. Moving eastward in U.S. destroying ash trees

3. \_\_\_\_\_ Caulerpa C. Covers the U.S. mainland; 100 released in Central Park

4. \_\_\_\_\_ Cane Toad D. Beneficial species in the U.S. brought by colonists

5. \_\_\_\_\_ Emerald Ash Borer Beetle E. Located in Mississippi River; “Jump” into boats

6. \_\_\_\_\_ European Starlings F. Violent mass attacks; Known as “killer bees”

7. \_\_\_\_\_ Honeybee G. Dominate the Great Lakes region; Attached to ships

8. \_\_\_\_\_ Kudzu H. Sea plant dominating Mediterranean ecosystems

9. \_\_\_\_\_ Zebra Mussels I. Poisonous species found in Australia to combat beetles