

## Biology Essentials- Communities Guided Viewing Worksheet

Name: \_\_\_\_\_

- 1: What is **ecology**?
- 2: What is **BBECPO**? (*Define each*)
- 3: What is a **community**?
- 4: What is **species composition**?
- 5: What is **species diversity (biodiversity)**? *Where* is the greatest species diversity?
- 6: Explain the example of **symbiosis** with *Leaf Cutter Ants and the fungus and bacteria* on the ant.
- 7: What is an **exponential growth** pattern? Explain.
- 8: What are the **limiting factors** to growth. *Explain both density dependent and density independent factors.*
- 9: What is a **logistic growth** pattern? Explain.
- 10: What is the **carrying capacity**? Define.
- 11: What is an **age-structure diagram (population pyramid)**? How it is set-up? What does it tell you?
- 12: What is the shape of a population pyramid of a young population (exponential growth)?  
What is the shape of a population of a stable population (logistic growth)?