**AP Biology Ecology Recovery Test**

1. Contrast primary and secondary succession. Why doesn’t succession look the same world-wide?
2. For the age structure graph below, categorize the population as slow growth, stable, rapid growth, or decline. Describe why you characterized it that way.



1. Contrast the logistic and exponential growth models.
2. Fill in the chart below:

|  |  |  |
| --- | --- | --- |
| **Relationship** | **Characteristics of the Relationship** | **Example** |
|  | Both organisms benefit |  |
|  | One benefits and another is harmed |  |
|  |  | Barnacles make their homes on whales without harming the whale |
|  | Two organisms are attempting to occupy the same niche |  |
| Predator/Prey |  |  |

1. Describe why biodiversity is so important to ecosystems. In your answer, include information on species that are more impactful than others.
2. Define sustainable practice and describe 2 possible sustainable practices that humans could use.
3. Match the terms and definitions
* Toxic/poisonous chemicals that plants use to avoid predation \_\_\_\_\_
* Helps the animal blend into its surroundings \_\_\_\_\_
* Organisms resembling each other \_\_\_\_\_
* Warning Coloration \_\_\_\_\_
* Looking dangerous when you are dangerous \_\_\_\_\_
* Looking like a dangerous organism when you aren’t \_\_\_\_\_
1. Cryptic Coloration b. Aposomatic Coloration

c. Secondary compounds d. Mimicry

e. Batesian mimicry f. Mullerian Mimicry

1. Contrast the water cycle with either the nitrogen or carbon cycle using at least 4 differences between them.