Ecology Review Worksheet Name \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Write out the definitions for the following terms:

1. Ecology –
2. Biotic –
3. Abiotic –
4. Omnivore –
5. Carnivore –
6. Herbivore –
7. Carrying capacity –
8. Food chain –
9. Climate –
10. Limiting factor –
11. Precipitation –

Fill out the main characteristics (climate, plants and animals) for each of the biomes

|  |  |  |  |
| --- | --- | --- | --- |
|  | Desert |  |  |
|  | Grassland |  |  |
|  | Chaparral |  |  |
|  | Tropical Rainforest |  |  |
|  | Tundra |  |  |
|  | Temperate Forest |  |  |
|  | Taiga |  |  |
|  | Coastal Wetland |  |  |
|  | Flowing Water |  |  |
|  | Standing Water |  |  |
|  | Marine Biome |  |  |
|  | Estuary |  |  |
|  | Inland Wetland |  |  |

Write out the 5 levels of organization in order from smallest to largest

 \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ → \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ → \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ → \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ → \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Name 2 examples of density-dependent factors:

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

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

Using the food web, answer the questions below:

|  |  |
| --- | --- |
| 1. Label each organism (some may have more than one label) as:

P = Producer 1 = 1st order consumer 2 = 2nd order consumer3 = 3rd order consumer1. Hawk = \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
2. Snake = \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
3. Fox = \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
4. Rabbit = \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
5. Squirrel = \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
6. Frog = \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
7. Butterfly = \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
8. Fruit tree = \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
9. Worm = \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
10. Bird = \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
 |  |
| 1. Name the animals that eat the rabbit: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
2. Name the animals that the frog eats: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
 |

Shade In and Label the 3 different climate zones on the map:



Label each example or statement as C = Commensalism, P = Parasitism, or M = Mutualism

 \_\_\_\_\_a. One benefits while the other is harmed

 \_\_\_\_\_b. Both benefit

 \_\_\_\_\_c. One benefits while the other is unaffected

 \_\_\_\_\_d. The cattlecrane eat the bugs that are stirred up by the cows walking through the mud.

 \_\_\_\_\_e. The oxpecker birds eat the blood sucking parasites found on the skin of the rhinos.

 \_\_\_\_\_f. Mosquitoes suck the blood of humans.

Draw a graph that shows exponential growth:

 