**Ecology Notes**

***Introduction to Biology***

Biology-

Characteristics of living things:

1)

2)

3)

4)

5)

6)

7)

8)

***Ecology***

Ecology-

habitat-

***Ecology Levels of Organization***

population-

community-

ecosystem-

 A) abiotic factors-

 Example-

 B) biotic factors-

 Example

 biodiversity-

biosphere-

***Energy Flow in an Ecosystem***

niche-

primary productivity-



producers-

 Also known as \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

consumers-

Also known as \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_



detritivores-

***Energy Pyramids***

What is shown by an energy pyramid?

trophic level-

How much energy is lost at each trophic level?

 1st level- \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

 2nd level- primary consumers

 -\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ (animals that eat plants or other producers)

 3rd level- secondary consumers

 -\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ (animals that eat meat)

 - \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ (animals that are herbivores and carnivores)

 4th level- tertiary consumers (carnivores that consume other carnivores)

 \*\*\* At all levels are the \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ (organisms that obtain their energy from organic wastes and dead bodies. Some are called decomposers because they cause decay.

Keystone species-



***Interactions Between Species***

Symbiotic Relationship-

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Interaction | Species A | Species B | My Example | Your Example |
|  |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |

***How do ecosystems form?***

Succession-

 A) primary succession-

 Example:

 B) secondary succession-

Example:

