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Biology Period 5

9/25/14

Assignment 3.5 pg.167-169 #10,12,15,16,18,19,22,23

1. Species, Population, Community, Ecosystem, Biome, Biosphere

12. A biotic factor can be humans cutting down trees in the forest or jungle. This would limit the number of homes or animals who rely on trees for shelter.

15. Chemosynthesis is the synthesis of organic compounds by bacteria or other living organisms using energy derived from reactions involving inorganic chemical, typically in the absence of light.

16. Earthworm- Detritivore

Snail- Detrivore

Owl- Carnivore

Bear-Carnivore

Human- Omnivore

Cow- Herbivore

18. Producers are always found at the base of a food chain or web.

19. The transfer of energy in a food chain is usually only about 10 percent because the organism used up about 90 percent of the energy. There for only 10 percent can be used up by the consumer.

22. Water can enter the atmosphere by evaporation or ground water can be taken up by plant roots and released into the atmosphere by plants.

23. Nitrogen fixation occurs when nitrogen gas is converted into ammonia by bacteria living in the soil and roots of certain plants.