ESC 110L General Environmental Health Science Lab Section _____
Laboratory Activity: **Development and Identification of a Complex Terrestrial Food Web**

Team Members _____Zyon Asumda _____
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Laboratory Instructions: This is a multi-part lab activity that requires students to complete two major tasks. Firstly, in the space below, you are to correctly list at least ten (10) organisms in a land food web. These organisms may be plants, animals, bacteria, or fungi. Secondly, you are to draw or diagram a terrestrial (land) food web in the manner that the aquatic (ocean) food web was done as figure 3-12 in the course textbook. The web must contain at least five (5) trophic levels with at least two (2) organisms identified at each level. It will be drawn on page 2 of this assignment, and it must contain drawings of each organism or alternatively the name of each organism in a neat circle. Interconnecting arrows in the food web must point to the organism (animal) that is consuming or eating the organism below it. In addition to your drawing or diagram on the second page, you must complete the table below as accurately as possible. You may use any in-lab or online information to help you complete this lab.

Terrestrial (Forest or Jungle Food Web) Must contain at least 2 items per trophic level.

Trophic Level Organism	Name of organism (plant or animal) at Trophic Level	Consuming what? (what it is eating if applicable)	Being Consumed by what? (what is eating it if applicable)
Producer 1	Grass		deer
Producer 2	lettuce		rabbit
Primary Consumer 1	deer	grass	bear
Primary Consumer 2	rabbit	lettuce	Fox
Secondary Consumer 1	bear	deer	human
Secondary Consumer 2	Fox	rabbit	hawk
Tertiary Consumer 1 (optional)	human	bear	
Tertiary Consumer 2 (optional)	hawk	fox	
Decomposer 1	bacteria		
Decomposer 2	fungi		
Detritivore 1	worm		
Detritivore 2	buzzard		

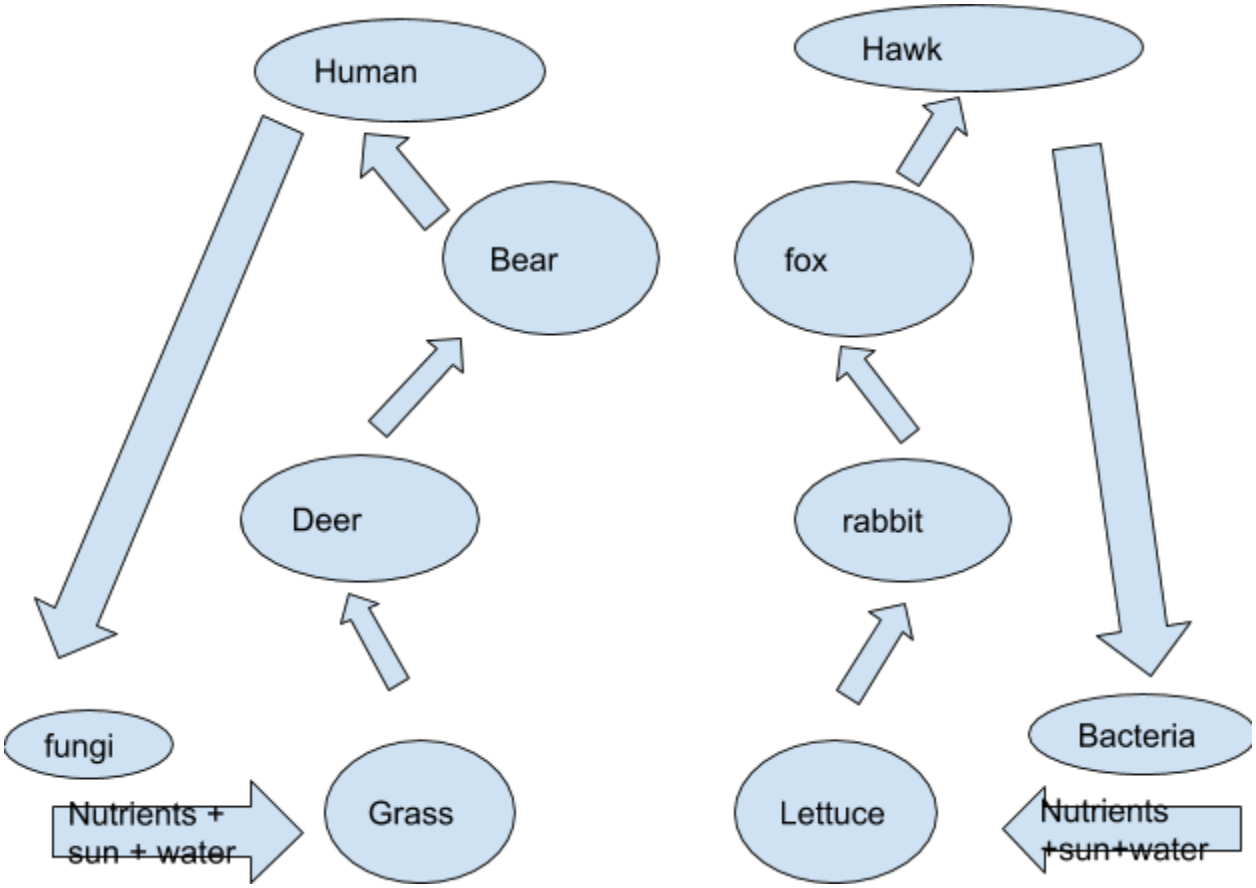
Drawing or Diagram of a Land Food Web: Beginning at the bottom of this page with a producer such as grass, please draw or diagram using circles, a food web with at least 5 trophic levels. The arrows should point to what is doing the consuming (eating), not what is being eaten.

FOOD WEB DRAWING OR DIAGRAM

Please use the following organisms for completing both parts of this lab. Several correct answers are possible.

Possible Food Web Organisms

Bacteria, Bear, Buzzard, Deer, Fox, Fungi, Grass, Hawk, Human, Lettuce, Rabbit, Worm


Human
Bear
Deer
fungi
Nutrients +
sun + water
Grass
Hawk
fox
rabbit
Lettuce
Bacteria
Nutrients
+sun+water