Ecology Review Part 2

Food Chains and Webs

Define the following terms:

**Producers-**

**Consumers-**

**Herbivore-**

**Carnivore-**

**Omnivore-**

**Decomposers-**

What is a food chain?

What does a primary consumer eat? What does a secondary consumer eat?

Make an example food chain below starting with the sun and ending with a tertiary consumer:

What is a food web?

What do the arrows in a food web represent?

Relationships in a Community

What is a symbiotic relationship?

List 3 examples of symbiotic relationships below and give an example of each:

**1)**

**2)**

**3)**

Define the following:

**Predation-**

**Population-**

**Niche-**

**Biodiversity-**

Succession

Define **Succession:**

What is the difference between primary succession and secondary succession?

Name some natural disturbances that may result in succession:

Name some man-made disturbances that my result in succession:

What is the first species to move in during succession called?

What is the last stage of succession called? What is it like?

Cycles In the Biosphere

What are the 3 cycles we have discussed in class?

**Water Cycle:**

What is the difference between “transpiration” and “respiration”?

Draw a simple example of the water cycle:

**Carbon Cycle:**

Two very important parts of the carbon cycle are **photosynthesis** and **respiration.** Describe what happens in each of them below:

**photosynthesis:**

**respiration:**

Give 2 examples of fossil fuels:

Why do we call them “fossil” fuels?

In what forms can carbon be found in the carbon cycle?

**Nitrogen Cycle:**

What is “Nitrogen Fixation”?

How can Nitrogen be “fixed”?

Plants and animals need Nitrogen to build what important molecules?

Nitrogen pollution from industry can fall to the earth in what form?