**Ecology 6**

**Outcomes: (214-1, 318-11)**

**Content: Page 22-25**

**Energy in Ecosystems:**

Life on Earth cannot exist without a \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

The source of ALL energy on our planet \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ which plants capture to carry out \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_, which in turn \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

How does this energy get passed from one organism to the next?

**o** \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Food Chain**

A step-by-step sequence linking **\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

 A food chain starts with **producers** and ends with **\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

 (It is a straight line chain that shows \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Food Web:** **Figure 5 page 23**

 Shows the \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ of ALL organisms in an ecosystem.

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Food chain Food Web



**Terms to use when talking about Food Chains and Food Webs:**

**Trophic Level:**

**\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**Producer: (Autotroph)**

**\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

The first\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Level

Examples of Producers

**o** \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**o** \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**o** \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**o** \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**o** \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Consumer: (Heterotroph)**

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

The second, third….. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

There are several types of Consumers

**Primary Consumer: (Herbivores)**

Animals that live on \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Second \_\_\_\_\_\_\_\_\_\_ Level

Examples?

**o** \_\_\_\_\_\_\_\_\_\_\_\_\_

**o** \_\_\_\_\_\_\_\_\_\_\_\_\_\_

**o** \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**o** \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Secondary Consumer: (Carnivore)**

Animals that \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Third Trophic Level

Examples??

**o** \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**o** \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**o** \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**o** \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Tertiary Consumer: (Also Carnivore)**

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Trophic Levels

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Omnivores:**

Animals that eat \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Examples???

**o** \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**o** \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**o** \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**o** \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**o** \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Decomposers:**

Organisms that \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ and return the \_\_\_\_\_\_\_\_\_\_\_\_ to the soil

Examples??

**o** \_\_\_\_\_\_\_\_\_\_\_\_

**o** \_\_\_\_\_\_\_\_\_\_\_