**Ecology Vocabulary Homework:**

|  |
| --- |
| ecosystem producer food chain energy  biotic factor consumer food web herbivore  abiotic factor decomposer photosynthesis carnivore |

Use the words above to complete the sentences below.

1. Organisms that get their energy by eating other organisms. \_ \_ \_ \_ \_ \_ {\_} \_
2. A model that describes the feeding relationship between a producer and a *single* line of consumers**. \_ \_ \_ \_ \_ \_ \_ \_**{**\_**}
3. An organism that captures energy and stores it in food as chemical energy.

\_ \_ \_ \_ \_ \_ {\_} {\_}

1. All living plants and animals need this to survive. \_ \_ \_ \_ {\_} {\_}
2. The process that producers complete to create their own food supply.

{\_} \_ \_ \_ \_ \_ \_ \_ \_ \_ \_ \_ \_ \_

1. The word used to describe a particular environment and all the living things that are supported by it. \_ \_ \_ \_ {\_} \_ \_ \_ \_
2. The living parts of an ecosystem \_ \_ \_ \_ \_ \_ \_ \_ \_ \_ \_ {\_}
3. These consumers eat lower level consumers.

\_ {\_} \_ \_ \_ \_ \_ \_ \_.

1. Organisms that break down dead plant and animal matter into simpler compounds.

\_ \_ \_ \_ {\_}\_ \_ \_ \_ \_

1. The nonliving parts of an ecosystem \_ \_ \_ \_ \_ \_ \_ \_ \_ \_ \_ \_ \_
2. Consumers that only eat producers to obtain their energy. \_ \_ \_ \_ {\_} \_ \_ \_ \_
3. A model of feeding relationships between many different consumers and producers in an ecosystem. \_ \_ \_ {\_} \_ \_ \_

**Puzzle Answer: (The letters in parentheses will spell out the bonus answer.)**

A model that shows the amount of energy available at each feeding level of an ecosystem \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Thought questions:**

1. What would happen if there were no decomposers?
2. What is the difference between a food chain and a food web?
3. Where does the energy come from that travels through an ecosystem?

**Ecology Vocabulary Homework:**

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| ecosystem producer food chain energy  biotic factor consumer food web herbivore  abiotic factor decomposer photosynthesis carnivore |

Use the words above to complete the sentences below.

1. Organisms that get their energy by eating other organisms. c o n s u m {e} r
2. A model that describes the feeding relationship between a producer and a *single* line of consumers**. f o o d c h a i {n}**
3. An organism that captures energy and stores it in food as chemical energy. p r o d u c {e} {r}
4. All living plants and animals need this to survive. e n e r {g} {y}
5. The process that producers complete to create their own food supply.

{p} h o t o s y n t h e s i s

1. The word used to describe a particular environment and all the living things that are supported by it. e c o s {y} s t e m
2. The living parts of an ecosystem a b i o t i c f a c t o {r}
3. These consumers eat lower level consumers. c {a} r n i v o r e
4. Organisms that break down dead plant and animal matter into simpler compounds.

d e c o {m} p o s e r

1. The nonliving parts of an ecosystem b i o t i c f a c t o r
2. Consumers that only eat producers to obtain their energy. h e r b {i} v o r e
3. Model of feeding relationships between many different consumers and producers in an ecosystem. f o o {d} w e b

**Puzzle Answer: (The letters in parentheses will spell out the bonus answer.)**

A model that shows the amount of energy available at each feeding level of an ecosystem \_\_\_\_\_energy pyramid\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Thought questions:**

What would happen if there were no decomposers?

It would take longer for animals to decompose and nutrients to incorporate into the soil.

What is the difference between a food chain and a food web?

Food chains are a single feeding pattern whereas food webs show multiple food chains.

Where does the energy come from that travels through an ecosystem?

The Sun