



### Affix Meanings

<b>-logy</b>	study of
<b>eco-</b>	home, habitat
<b>bio-</b>	life, living things
<b>a-</b>	not
<b>herb-</b>	plant
<b>carn-</b>	meat, flesh
<b>omni-</b>	all
<b>-vor</b>	to eat
<b>sym-</b>	together, with
<b>-biosis</b>	way of living
<b>endo-</b>	inside
<b>ecto-</b>	outside

*An affix is a part of a word that has a specific meaning.*

### What's It Mean? Use the affixes to match each word to its definition.

Example: biology study of living things

\_\_\_\_\_ study of where organisms live

\_\_\_\_\_ living things

\_\_\_\_\_ non-living things

\_\_\_\_\_ eats plants

\_\_\_\_\_ eats meat

\_\_\_\_\_ eats plants and meat

\_\_\_\_\_ different organisms living together

\_\_\_\_\_ one organism living inside another organism

\_\_\_\_\_ one organism living on the outside of another organism

#### WORD BANK

- abiotic
- biotic
- ~~biology~~
- carnivore
- ecology
- ectosymbiosis
- endosymbiosis
- herbivore
- omnivore
- symbiosis



### Sort It Out

Use the affixes to explore the different parts of an ecosystem.

Each word is an example of a **biotic** or an **abiotic** factor. Write each word in the correct box.

fish ladybug

rock water

sun flower

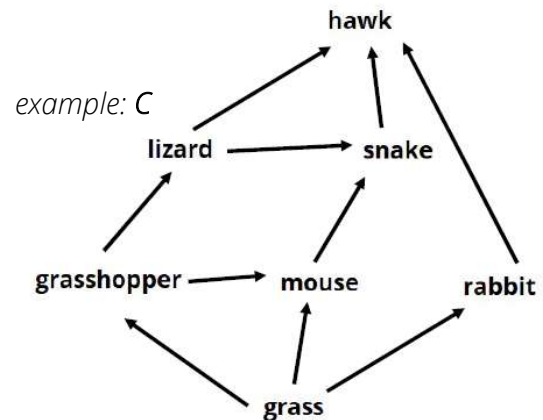
**biotic**

*example: fish*

**abiotic**

The arrows in a food web point from a food to the animal that eats it.

Look at what each animal in the food web eats. Label each animal as **herbivore (H)**, **carnivore (C)**, or **omnivore (O)**.



Label each description as an example of **endosymbiosis** or **ectosymbiosis**.

Example: \_\_\_\_\_ ectosymbiosis \_\_\_\_\_ *barnacles live on a whale's skin*

\_\_\_\_\_ bacteria live in a human's digestive system

\_\_\_\_\_ fleas live in a cat's fur

\_\_\_\_\_ heartworms live in a dog's heart and lungs

### Affix Expert

Use 2 of more of the affixes to make your own word. Have someone guess what it means!



# Word Builders

## Ecosystems

### Answer Key

#### What's It Mean?

*ecology* – study of where organisms live

*biotic* – living things

*abiotic* – non-living things

*herbivore* – eats plants

*carnivore* – eats meat

*omnivore* – eats plants and meat

*symbiosis* – different organisms living together

*endosymbiosis* – one organism living inside another organism

*ectosymbiosis* – one organism living on the outside of another organism

#### Sort It Out

*biotic* – *ladybug, flower*

*abiotic* – *rock, water, sun*

*herbivore (H)* – grasshopper, rabbit

*carnivore (C)* – snake, hawk

*omnivore (O)* – mouse

*endosymbiosis* – bacteria live in a human's digestive system

*ectosymbiosis* – fleas live in a cat's fur

*endosymbiosis* – heartworms live in a dog's heart and lungs