

## 4-2 What shapes an ecosystem?

Pages 90-97

- Objectives: Students will
- A) Identify biotic and abiotic factors in an ecosystem
- B) Review 4 terms related to ecosystems.
- C) Define niche and Describe your Niche.
- D) List the three types of community interactions and relate them to something familiar.
- E) Summarize the three symbiotic relationships
- F) Compare primary and secondary succession

•Obj. A) Identify biotic and abiotic factors in an ecosystem



Biotic factors – \_\_\_\_\_

Abiotic – \_\_\_\_\_



•Label the above as biotic or abiotic. Why are they?

C) Define niche and Describe your Niche.

This encompasses \_\_\_\_\_ of an \_\_\_\_\_.

It includes:

- the \_\_\_\_\_ or \_\_\_\_\_
- all the \_\_\_\_\_ like \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_, etc.
- how the organism \_\_\_\_\_
- its \_\_\_\_\_, \_\_\_\_\_ and \_\_\_\_\_ with other \_\_\_\_\_.

It is the \_\_\_\_\_.

What is your niche?

D) List the three types of community interactions and relate them to something familiar.

- 1. \_\_\_\_\_
- 2. \_\_\_\_\_
- 3. \_\_\_\_\_



Review 4 terms related to ecosystems.

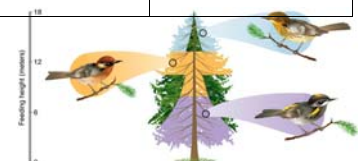
### Vocabulary Review:

Vocabulary Word	Link Word	Reminds me of?
Community		
Ecosystem		
Niche		
Habitat		

D) List the three types of community interactions and relate them to something familiar.

Community Interaction #1 = \_\_\_\_\_

Vocabulary Word	Link Word	Reminds me of?
Interaction #1 = _____		
Competitive Exclusion Principle		

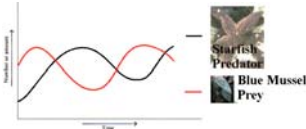


D) List the three types of community interactions and relate them to something familiar.

**Interaction #2 = \_\_\_\_\_**

Vocabulary Word	Link Word	Reminds me of?
Interaction #2 = _____		
Cyclical Trend		
Carrying Capacity		

A change in the \_\_\_\_\_ population leads to evolution in the \_\_\_\_\_ population and \_\_\_\_\_.



Obj. F) Compare primary and secondary succession

Succession – \_\_\_\_\_

Primary	Secondary
1. _____	1. _____
2. _____	2. _____

Pioneer species – \_\_\_\_\_

- \_\_\_\_\_
- \_\_\_\_\_

D) List the three types of community interactions and relate them to something familiar.

Interaction #3 = \_\_\_\_\_

Vocabulary Word	Link Word	Reminds me of?
Interaction #3 = _____		

E) Summarize the three symbiotic relationships

- \_\_\_\_\_ (“\_\_\_\_\_”)
- Parasitism (still \_\_\_\_\_ and \_\_\_\_\_)
  - Predator much smaller than prey
- Mutualism (\_\_\_\_\_)
- \_\_\_\_\_ with other species
- Commensalism (\_\_\_\_\_)
- One species \_\_\_\_\_, the other loses \_\_\_\_\_

### Understanding Check

1. What is a niche?
2. List the three types of community interactions.
3. What is succession?
4. What is the difference between primary and secondary succession?

E) Summarize the three symbiotic relationships

Vocabulary Word	Link Word	Reminds me of?
Parasitism		
Mutualism		
Commensalism		