Quiz 12 - Community Ecology - Species Interactions & Succession

Due Apr 14 at 11:59pm **Points** 9 **Questions** 9
Available Mar 31 at 2pm - Apr 14 at 11:59pm **Time Limit** 60 Minutes
Allowed Attempts 2

Instructions

This quiz asks questions about species interactions and succession (Community Ecology). You have 2 attempts at this quiz and 60 minutes to complete each attempt. The highest mark counts.

This quiz will remain open until 11:59 pm on Friday, April 14th. But, you should be able to complete this quiz after the community ecology lecture on April 6th.

Take the Quiz Again

Attempt History

	Attempt	Time	Score
LATEST	Attempt 1	7 minutes	9 out of 9

ⓘ Correct answers will be available Apr 15 at 12pm - Apr 23 at 6pm.

Score for this attempt: **9** out of 9
Submitted Apr 8 at 11:25am
This attempt took 7 minutes.

Question 1 — 1 / 1 pts

Which species interaction can be described as a "+ / - " relationship ?

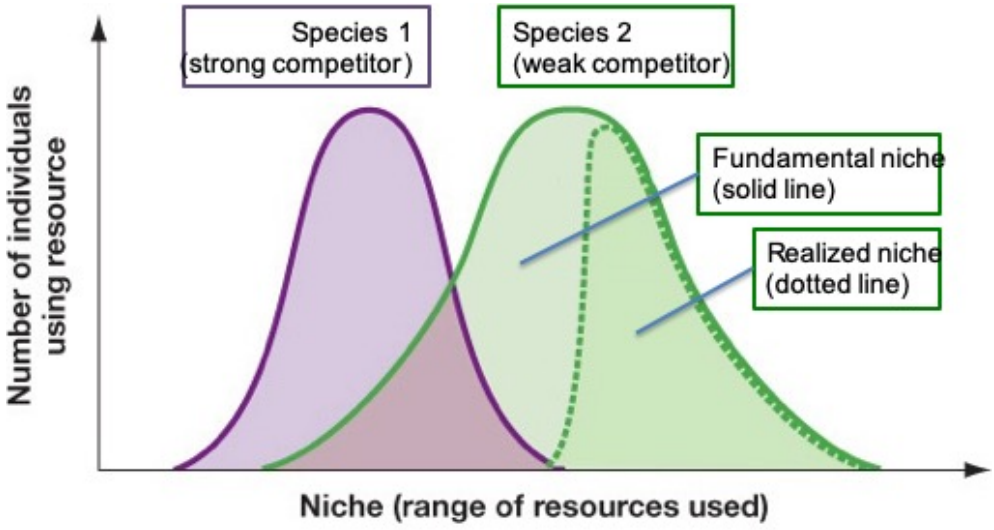
- Amensalism
- Commensalism

- Mutualism
- Competition
- Predation

Question 2

1 / 1 pts

What is the realized niche of Species 1 in this scenario?



- The green dotted line in the graph
- The same as the fundamental niche (the green solid line)
- The same as the fundamental niche (The purple solid line)
- None of the above

Question 3

1 / 1 pts

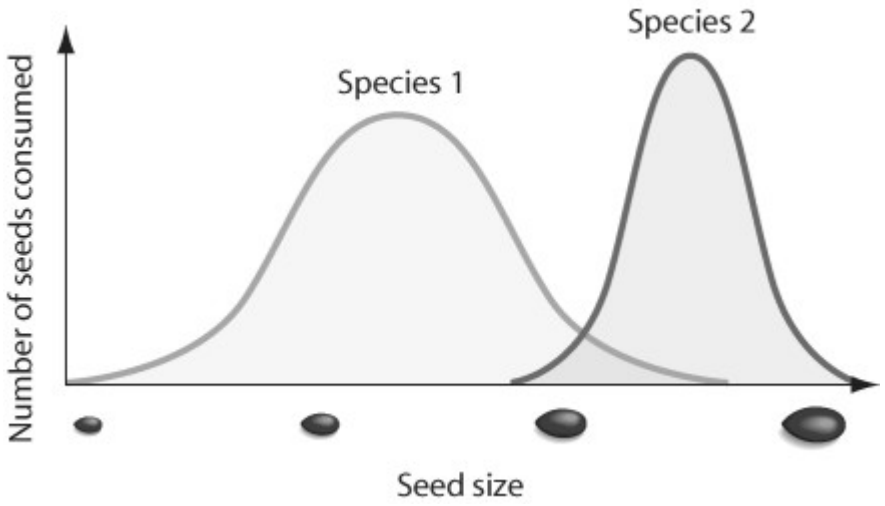


Figure 53.1

In looking at the figure above, what conclusions can be drawn?

- Both species compete for all sizes of seeds.
- Both species compete for all sizes of seeds other than those of intermediate size.
- **Both species compete for seeds of intermediate size.**
- Both species eat all sizes of seeds.

Question 4

1 / 1 pts

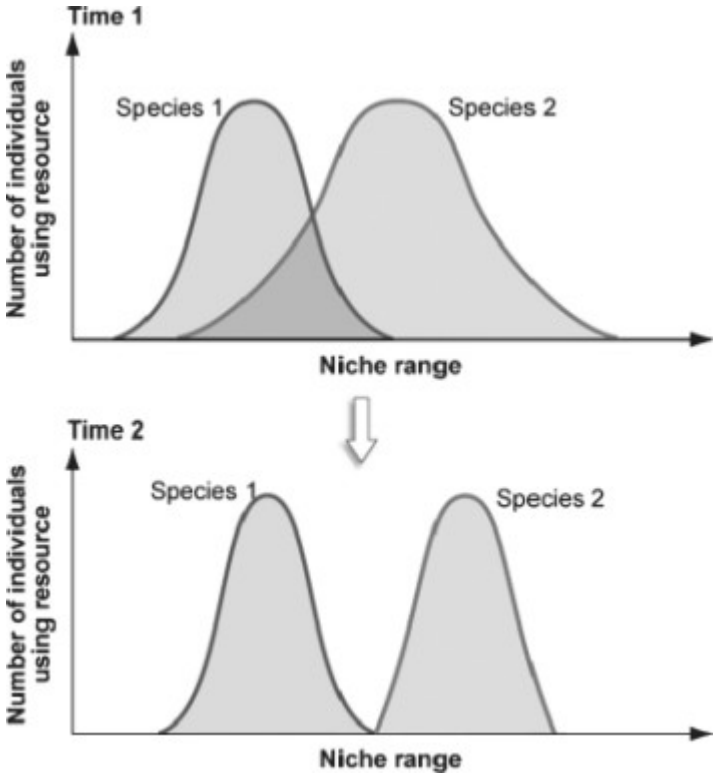


Figure 53.2

Which processes could be occurring in the above figure? Select all that apply.

- [x] interspecific competition
- [ ] intraspecific competition
- [x] niche partitioning

Question 5

1 / 1 pts

The competitive exclusion principle states that

- ( ) it is possible for two species with different niches to coexist.
- (•) it is not possible for two species with the same niche to coexist.

- it is possible for two species with the same niche to coexist.
- it is not possible for two species with different niches to coexist.

Question 6

1 / 1 pts

Which event could lead to primary succession?

- (•) A landslide causes the removal of the soil and all organisms, leaving rock exposed
- ( ) Clearcut logging in an area of the boreal forest removes all vegetation.
- ( ) A flood removes all of the insects and mammals from an area.
- ( ) A fungal disease wipes out most of the tree and shrubs in an area
- ( ) None of the above

Question 7

1 / 1 pts

Which is the least important trait for a pioneering species?

- (•) Strong competition for resources
- ( ) Good dispersal ability
- ( ) Fast reproduction

- Tolerance of severe abiotic conditions

Question 8

1 / 1 pts

Which of the following is not an example of a mutualism?

- bacteria fixing nitrogen in plants
- algae or cyanobacteria living amongst the filaments of fungi in
- ants that protect aphids in exchange for sugar-rich honey dew
- (•) birds eating insects

Question 9

1 / 1 pts

Which of the following is not a type of consumption?

- parasitism
- predation
- (•) mutualism
- herbivory

Quiz Score: **9** out of 9