



## Week 7 Post Lecture Quiz - 2022

✓ 10/10 points

## Week 7 - 2022



## Question 1

✓ 1/1 point



Which of the following is a density-independent factor?

- |   |           |             |
|---|-----------|-------------|
|   | climate   | Your answer |
| B | bacteria  |             |
| C | pathogens |             |
| D | viruses   |             |



## Question 2

✓ 1/1 point



What does the allocation of resources for survival, growth, and maximal reproduction determine?

- |   |   |             |
|---|---|-------------|
| A | the age-specific fecundity of a species |             |
| B | the survivorship curve of a species     |             |
| C | the dispersion of a species             |             |
|   | the life history of a species           | Your answer |



## Question 3

✓ 1/1 point



Which of the following is an example of a K-selected species?

- |   |   |
|---|---|
| A | one that has short maturation time and life span, and usually a low mortality rate and a large brood size                         |
| B | one that has short maturation time and life span, but usually a low mortality rate and a small brood size                         |
|   | one that has long maturation time and life span, but usually a low mortality rate and a small brood size <span>Your answer</span> |
| D | one that has long maturation time and life span, but usually a high mortality rate and a large brood size                         |



Question 4

✓ 1/1 point



Which of the following describes population dynamics?

- |   |  |
|---|--|
| A | a concept that considers how a population's environment remains constant over time |
| B | a concept that considers how populations remain constant over time                 |
|   | a concept that considers how populations change over time <span>Your answer</span> |
| D | a concept that considers how a population's environment changes over time          |



Question 5

✓ 1/1 point



Which of the following is required for measuring populations?

- |   |  |
|---|--|
|   | recognizing individuals <span>Your answer</span> |
| B | recognizing groups                               |
| C | recognizing species                              |
| D | recognizing habitats                             |



Question 6

✓ 1/1 point





Question 6

✓ 1/1 point



Which of the following is an example of an r-selected species?

A

a species that has a long maturation time and life span, but a high mortality rate and usually a large brood size

☒

a species that has a short maturation time and life span, but a high mortality rate and usually a large brood size

Your answer

C

a species that has a short maturation time and life span, but a low mortality rate and usually a large brood size

D

a species that has a long maturation time and life span, but a low mortality rate and usually a small brood size



Question 7

✓ 1/1 point



Which of the following describes limiting factors?

A

elements of an organism's biotic environment that the organism requires to survive

☒

elements of an organism's biotic and abiotic environment that the organism requires to survive

Your answer

C

elements of an organism's abiotic environment that the organism requires to survive

D

elements of an organism's biotic and abiotic environment that the organism requires to reproduce



Question 8

✓ 1/1 point



Which of the following is a density-dependent factor?

A

age

B

climate change

C

food source

☒

disease

Your answer



### Question 9

✓ 1/1 point



Which of the following is the limit in logistic growth?

A

carrying exponent

B

carrying logistic

C

carrying luxury

carrying capacity

Your answer



### Question 10

✓ 1/1 point



Which of the following does an exponential growth model describe?

A

population growth that is limited and that continues to increase indefinitely by a constant factor

population growth that is unlimited and that continues to increase indefinitely by a constant factor

Your answer

C

population growth that is unlimited and that continues to decrease indefinitely by a constant factor

D

population growth that is limited and that continues to decrease indefinitely by a constant factor

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