Score:

/25

Name: _____ Lab: _____

BBQ#4

Due Date: Exam#4 in the first 5 minutes of class.

Check List:

- ☐ Address 4 misconceptions
- ☐ BBQ21
- ☐ BBQ22
- ☐ BBQ23 (Wolf Video)
- ☐ BBQ24
- ☐ BBQ25
- ☐ BBQ26 (Keystone Sp.)
- ☐ BBQ27

Review & Practice exams are available at: https://zanniedallarasciencepage.weebly.com/bio11---exam-4.html

Stamps:

Week 11 in lab:

BBQ21	***BBQ22***	***BBQ23***

Week 12 in lab:

BBQ24	***BBQ25***	***BBQ26***

Lec #18 – Evolution:

BBQ#21

DDT

- *Explain how pesticide resistance in mosquitoes (or rubber duckys) is actually an example of natural selection*

Lec #18 - Evolution:

a. What does the term "evolution" mean?

b. List 3 types of evidence for evolution – and explain why they are evidence *(1 -2 sentences for each.)*

c. What is an adaptation? Why is a male peacock's big tail an adaptation, even though it might not help him survive very long?

d. What are the difference between the two types of speciation. Explain each. ***(From next lecture)***

_____	_____

Lec #19 – Speciation:

BBQ#23: How Wolves Change Rivers

Video: https://www.youtube.com/watch?v=ysa5OBhXz-Q

What is a trophic Cascade?

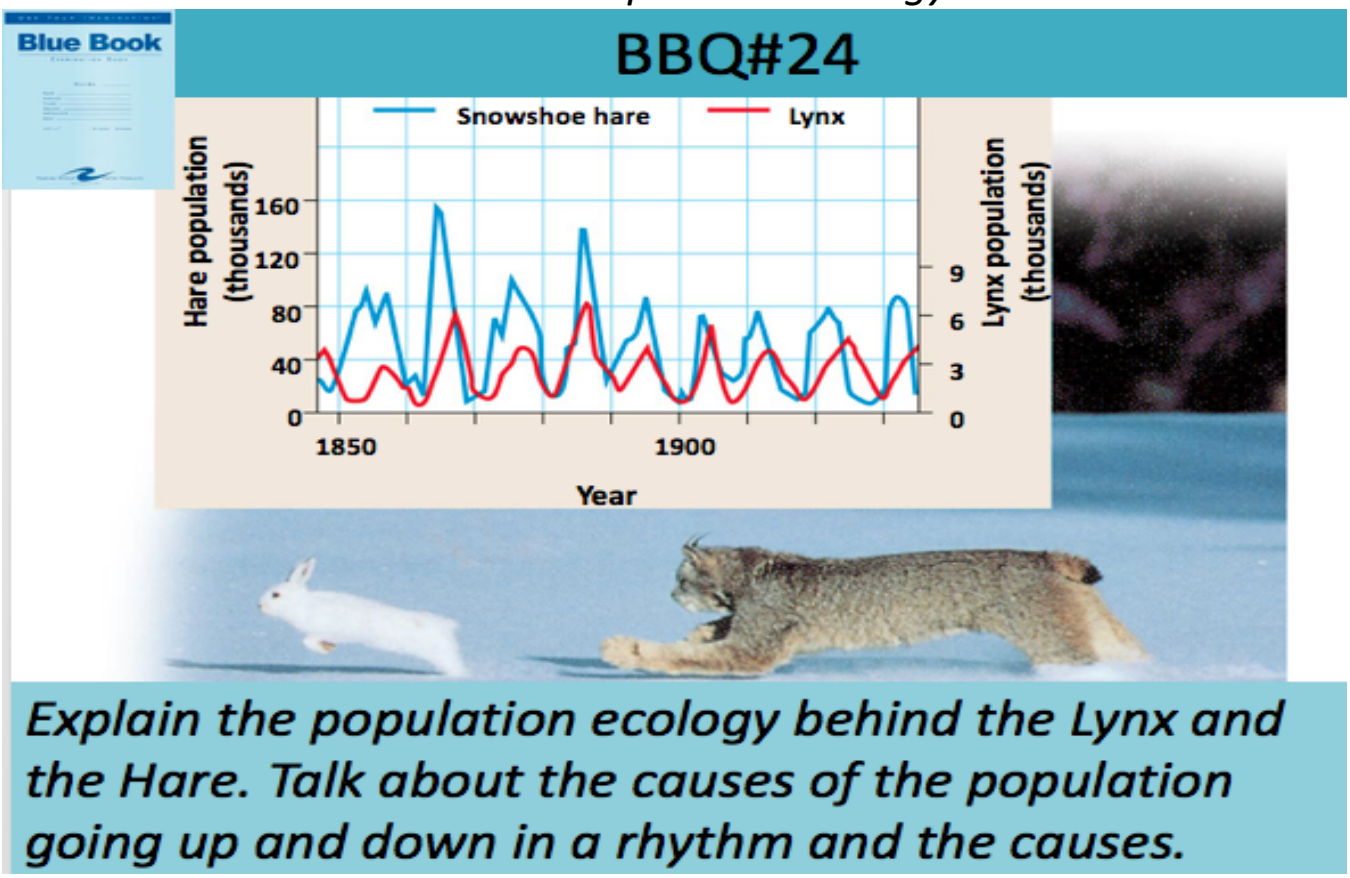
Before Wolfs: What was the problem? (Key words: Deer, plants)

After the Wolfs: What changed about the deer

(Key words: Avoid, Plant Growth, birds, beavers, niches, habitats, coyotes, bears)

What changed about the River and How (Key words: Stabilized, erosion, shape)

Lec #20 – Population Ecology:



Explain the population ecology behind the Lynx and the Hare. Talk about the causes of the population going up and down in a rhythm and the causes.

Lec #21 – Community Ecology:

BBQ#25

1. *Biodiversity:*
   A. *What three factors are involved in biodiversity?*
   B. *Why is biodiversity needed in an ecosystem?*

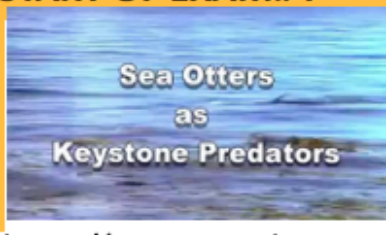
Lec #21 – Community Ecology & Lab 10:

BBQ#26 Keystone Species

Homework:

BBQ – DUE @ START OF EXAM#4

Tell the story of how the loss of a keystone species is especially dangerous to an ecosystem.



https://www.youtube.com/watch?v=eqrj_RKv7os

1. **What is a keystone species?**
2. **Tell the story of one keystone species and how valuable it is.**

- **Verbal thinkers:** Write it out. But don't forget to answer the q's above.
- **Visual Thinkers**: Draw out a food web and explain what would occur is the keystone species was lost. Don't forget to answer the q's above.

Lec #22 – Ecosystems:

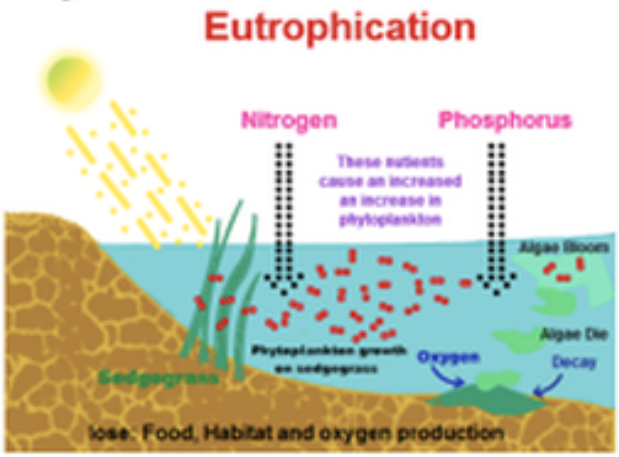
Blue Book

BBQ#27

How does too much of a good thing kill all the animals in a pond?

Explain the:

- ***Process***
- ***Causes***
- ***Effects** of Eutrophication*



Misconceptions:

Chose 4 to address (explain why they are wrong).