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Topic: Populations Vocabulary Worksheet

Summary: Students will fill out a worksheet with information on what they will be tested on.

Goals & Objectives: Students will be able to use vocabulary words used in population growth and ecosystem stability.

Time Length: 25 minutes

NGSS Standards:

HS-LS2-1: Use mathematical and/or computational representations to support explanations of factors that affect carrying capacity of ecosystems at different scales.

HS-LS2-2: Use mathematical representations to support and revise explanations based on evidence about factors affecting biodiversity and populations in ecosystems of different scales.

HS-LS2-6: Evaluate claims, evidence, and reasoning that the complex interactions in ecosystems maintain relatively consistent numbers and types of organisms in stable conditions, but changing conditions may result in a new ecosystem.

Materials:

Class Notes or Textbook or

- <https://flexbooks.ck12.org/cbook/ck-12-biology-flexbook-2.0/section/6.17/primary/lesson/population-size-density-and-distribution-bio/>
- <https://flexbooks.ck12.org/cbook/ck-12-biology-flexbook-2.0/section/6.20/primary/lesson/population-growth-patterns-bio/>
- <https://flexbooks.ck12.org/cbook/ck-12-biology-flexbook-2.0/section/6.25/primary/lesson/importance-of-biodiversity-bio/>

Accommodations:

Students with an IEP may work with a partner filling in the definitions.

Editable DOCX File and Answer Key:

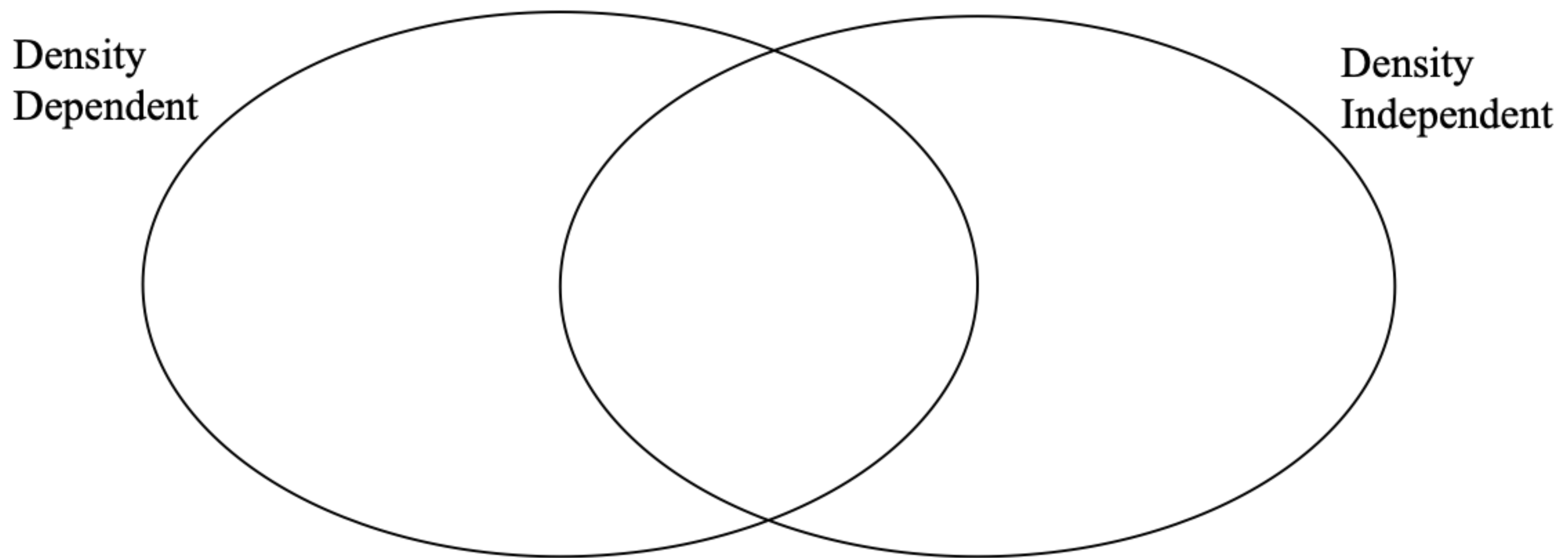
Available at www.ngsslifescience.com

Populations Vocabulary WS

(Write definitions or explanations)

1. Species _____
2. Population _____
3. Community _____
4. Ecosystem _____
5. Exponential Growth _____
6. Logistic Growth _____
7. Carrying Capacity _____
8. Population Density _____
9. Density Dependent Limiting Factor _____
10. Density Independent Limiting Factor _____

11. Compare and contrast examples of limiting factors using a Venn diagram.



12. Abiotic Factors _____
13. Biodiversity _____
14. Ecosystem Stability _____
15. How Biodiversity affects Ecosystem Stability _____