

Individual Unit Learning Plan (ILP) Score Sheet

Unit: Ecology 2

Topic: Natural Selection and Adaptation

Name, Date and Class Period	
Learning Style(s)	

Objective(s):

- Explore how short- and long-term environmental changes affect organisms and traits in subsequent populations
- Recognize human dependence on ocean systems and explain how human activities such as runoff, artificial reefs, or use of resources have modified these systems.


Instructions:

On the back of this sheet is a tic-tac-toe board. Just like in tic-tac-toe, you must complete any three assignments, in a row, column, or diagonally. When you have completed an assignment, please raise your hand so that Mrs. Arceneaux can come check your work. You **must** complete the *Checking Your Knowledge* Quiz first, the three activities, and then the Ecology 2 Unit Quiz. Have fun!


You will receive a lab grade for this assignment, as well as a test grade for the Assessment in the final level.

You will have two class periods to complete these assignments so use your time wisely.


Activities all students MUST complete:

	Activity	Points Earned	Points Possible
	Checking Your Knowledge Quiz		25

Student Selected Activities (must have 3)

	Activity	Points Earned	Points Possible
			25
			25
			25

Assessment (completed by ALL students):

	Activity	Points Earned	Points Possible
	Ecology 2 Unit Quiz		100

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Ecology 2 Unit Tic-Tac-Toe

Choose 3 activities that form a line: horizontally, vertically, or diagonally. When you are done with an activity, see Mrs. Arceneaux for a stamp. Each activity should take 15 to 20 minutes.

<p><u>Adaptation and Natural Selection Task Cards</u></p> <p>Complete at least 12 cards out of the 24 card set. Write down your answers on the task card answer sheet. Make sure to write your answers in the correct answer column.</p> <p>25 Points</p>	<p><u>Ecology Cootie Catcher</u></p> <p>Complete the directions for assembling the ecology cootie catcher. After you are finished you can use the instructions to play with a friend!</p> <p>25 Points</p>	<p><u>Adaptation Notes</u></p> <p>Take notes on the 'Plant and Animal Adaptations' Cornell note handout as you go through the PowerPoint.</p> <p>25 Points</p>
<p><u>Evolution by Natural Selection</u></p> <p>Complete the evolution by natural selection worksheet. You may need to use your notes.</p> <p>25 points</p>	<p><u>Natural Selection Cartoon</u></p> <p>Complete the cartoon handout. Think of a unique animal trait or choose one from the list. You should draw 1 cartoon which should have 4 panels covering Darwin's Theory of Natural Selection.</p> <p>After completing the panels, complete the cartoon analysis.</p> <p>25 points</p>	<p><u>Vocabulary Flashcards</u></p> <p>Complete a set of vocabulary flashcards using blank index cards. Make sure you define, sketch and give an example of each of the following: adaptation, structural adaptation, natural selection, and behavioral adaptation.</p> <p>25 points</p>
<p><u>Adaptation Video</u></p> <p>Watch the first 10 minutes of the video below (BBC Documentary "Life" 2009 Ep 1). Answer the following questions about each animal mentioned: Which animal is discussed? Did they discuss an example of natural selection or adaptation? Why? What specifically was mentioned?</p> <p>https://www.dailymotion.com/video/x3zqyv0</p> <p>25 points</p>	<p><u>Long Term and Short Term Change Worksheet</u></p> <p>Complete the long term and short term change worksheet. You may need to use your notes.</p> <p>25 points</p>	<p><u>Natural Selection Worksheet</u></p> <p>Complete the natural selection worksheet. You may need to use your notes.</p> <p>25 points</p>