

Activity #	Outcome	Indicator	Scoring Tool
1a	Skills and Process/ Science Inquiry  OR  Knowledge of Algebra, Patterns and Functions	Responses to this activity demonstrate <b>the ability of students to compare data and identify a possible trend</b>	This response: 2 - accurately interprets the data on the graph using data from the graph to support the answer
			1 - accurately interprets the data on the graph but doesn't use data from the graph to support it
			0 - other
			Answer Example: The trend of the Kemp's Ridley Sea Turtle population from 1947 to 1977 is a downward trend because in 1947 there were 40,000 sea turtles and in 1977 there were less than 5,000 sea turtles.
1b	Skills and Process/ Science Inquiry	Responses to this activity demonstrate <b>the ability to access and process information from readings, investigations and or oral communication.</b>	This response: 2 - accurately accesses and processes 2 pieces of information from readings, investigations and or oral communication
			1 - accurately accesses and processes 1 piece of information from the reading, investigations, and/or oral communication
			0 - other
			Answer Example: There was a change in the sea turtle population because the turtles were being caught in the shrimp nets and they were being sold for food and jewelry.

Activity #	Outcome	Indicator	Scoring Tool
1c	Skills and Process/ Science Inquiry  OR  Knowledge of Algebra, Patterns and Functions	Responses to this activity demonstrate <b>the ability of students to compare data and to identify possible trends</b>	This response: 2 - accurately identified the trend on the graph using data from the graph to support it 1 - accurately identified the trend on the graph but doesn't use data from the graph to support it 0 - other  Answer Example: The trend of the Kemp's Ridley sea turtle population from 1977 to 1997 is an upward trend. In 1977, the turtle population was close to 0 and by 1997 it was rising close to 5,000.
1d	Skills and Process/ Science Inquiry	Responses to this activity demonstrate <b>the ability of students to use information when forming predictions</b>	This response: 2 - correctly forms a prediction and explains why they gave the prediction 1 - forms a prediction OR explains why 0 - other  Answer Example Increase The turtle population will continue to increase because the turtles can no longer be sold for food and jewelry. According to the graph, there is an increase shown in the number of turtles existing in 1997.

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2a.	Skills and Process/ Science Inquiry	Responses to this activity demonstrate the ability of the students to <b>access and process information from readings, investigations, and/or oral communication</b>  Or  Responses to this activity demonstrate the <b>ability to explain that using the environment to meet one's wants and needs has consequences</b>	This response: 3 - accurately accesses and processes 4 reasons for the decrease of sea turtles from the readings and their cause as human or nature								
	OR		2 - accurately accesses and processes 2 - 3 reasons for the decrease of sea turtles from the readings and their cause as human or nature								
	Environmental Issues		1 - accurately accesses and processed 1 reason for the decrease of sea turtles from the reading and its cause as human or nature								
			0 - all other answers								
			<p>Answer Example</p> <table border="0"> <thead> <tr> <th data-bbox="1039 665 1659 698"><u>Reasons for the decrease of sea turtle population</u></th> <th data-bbox="1732 665 1816 698"><u>Cause</u></th> </tr> </thead> <tbody> <tr> <td data-bbox="1039 706 1669 771">1. changing beaches due to building homes, roads, and parking lots</td> <td data-bbox="1753 706 1837 738">Human</td> </tr> <tr> <td data-bbox="1039 779 1176 812">2. pollution</td> <td data-bbox="1753 779 1848 812">Humans</td> </tr> <tr> <td data-bbox="1039 820 1197 852">3. Predators</td> <td data-bbox="1753 820 1848 852">Nature</td> </tr> <tr> <td data-bbox="1039 860 1228 893">4. Fishing Nets</td> <td data-bbox="1753 860 1848 893">Humans</td> </tr> </tbody> </table>	<u>Reasons for the decrease of sea turtle population</u>	<u>Cause</u>	1. changing beaches due to building homes, roads, and parking lots	Human	2. pollution	Humans	3. Predators	Nature
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2b	Skills and Processes/ Application of Science  OR Environmental Science	Responses to this activity demonstrate the ability of students to apply scientific concepts to make a decision	This response: 3 - correctly identifies one example from each human influence (3) and explains how the consequences effect the turtles
		OR	2 - correctly identifies an example from 1 - 2 categories and explains how the consequences effects the turtles
		Responses to this activity demonstrate the ability of students to explain that using the environment to meet one's wants and needs has consequences	1 - correctly identifies one example from each human influence but doesn't explain
			0- other
			Answer Example: Humans  Humans cause sea turtles to become endangered because many of the reasons we checked involved humans. For example, humans build roads, parking lots, and homes, which destroy the sea turtle's habitat. People leave plastic bags on the beaches which sea turtles eat and could die. Fishing nets catch the turtles, which also cause the turtles to die.
3a	Evolution	<b>Responses to this activity demonstrate the ability of the student to identify characteristics of plants and animals, including extinct organisms that enable them</b>	This response: 2 - Accurately identified 2 reasons how the organism can survive only in the environment in which their need can be met 1 - Accurately identified 1 reason how the organism can survive only in the environment in which their need can be met. 0 - other answers

	Interdependence of Organisms	<p>to live in specific environments</p> <p>OR</p> <p>Responses to this activity demonstrate the ability of the students to explain that organisms can survive only in environments in which their needs can be met</p>	<p>Answer Example</p> <p>A sandy beach is important to the diamondback terrapins because they need the sandy beaches to lay their eggs. They also need to come back to the same sandy beach each year.</p>
<b>Activity #</b>	<b>Outcome</b>	<b>Indicator</b>	<b>Scoring Tool</b>
3b	Skills and Processes/ Science Inquiry	<p>Responses to this activity demonstrate the ability of the student access and process information from readings, investigations, and/or oral communication</p> <p>OR</p>	<p>This response:</p> <p>3 - accurately accesses and processes 3 problems, causes, and solutions for the terrapins</p> <p>2 - accurately accesses and processes 2 problems, causes, and solutions for the terrapins</p> <p>1 - accurately accesses and processes 1 problem, cause and solution for the terrapin</p> <p>0 - all other answers</p>

	Environmental Science	Responses to this activity demonstrate the ability of the students to explain that using the environment to meet one's wants and needs has consequences	<p>Answer Example:</p> <table border="0"> <tr> <td><u>Problems for terrapins</u></td> <td><u>Causes of Problems</u></td> <td><u>Brainstorm possible solution problems</u></td> </tr> <tr> <td>1. drivers of roads</td> <td>Humans</td> <td>- signs to warn drivers to slow down</td> </tr> <tr> <td>2. eaten by predators</td> <td>Nature</td> <td>- head starting</td> </tr> <tr> <td>3. building homes</td> <td>Humans</td> <td>- build away from water - set rules for building</td> </tr> </table>	<u>Problems for terrapins</u>	<u>Causes of Problems</u>	<u>Brainstorm possible solution problems</u>	1. drivers of roads	Humans	- signs to warn drivers to slow down	2. eaten by predators	Nature	- head starting	3. building homes	Humans	- build away from water - set rules for building
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3c	Skills and Processes/ Science Inquiry	Responses to this activity demonstrate the ability for students to access and process information from readings, investigations, and/or oral communications	<p>This response:</p> <p>2 - accurately accesses and processes 2 reasons why head starting will help the terrapins</p> <p>1 - accurately accesses and processes 1 reason why head starting will help the terrapins</p> <p>0 - all other answer</p>												



	<p>Interpretation</p> <p>Environmental Science</p>	<p>Responses to this activity demonstrate the ability for students to compare and contrast information in different text</p> <p>OR</p> <p><b>Responses to this activity demonstrate the ability of the students to explain that using the environment to meet one's wants and needs has consequences</b></p>	<p>Answer Example:</p> <p>All should be circled yes</p>
<b>Activity #</b>	<b>Outcome</b>	<b>Indicator</b>	<b>Scoring Tool</b>
5a	Interdependence of Organisms	<b>Responses to this activity demonstrate the ability of students to explain that organisms can survive only in environments in which their</b>	<p>This response</p> <p>3 - listed 5 items that terrapins will need in order to survive</p> <p>2 - listed 3 - 4 items that terrapins will need in order to survive</p> <p>1 - listed 1 - 2 items that terrapins will need in order to survive</p> <p>0 - all other answers</p>

		needs can be met.	<p>Answer Example</p> <ul style="list-style-type: none"> <li>• sand</li> <li>• some grass</li> <li>• food</li> <li>• salty water</li> <li>• room to lay eggs</li> </ul>
5b	Interdependence of Organisms	Responses to this activity demonstrate the ability of students to explain that organisms can survive only in environments in which their needs can be met	This response
			2 - correctly identified the park and gave two needs that the habitat would have to have for the terrapin to survive
			1 - correctly identified the park and gave one need that the habitat would have to have for the terrapin to survive
			0 - all other answers.
			<p>Answer Example.</p> <p>Flag Ponds is the best habitat for the diamondback terrapins because it meets the needs of the terrapins. Flag Ponds has a large open beach with salty water which the terrapins need to live and nest</p>
<b>Activity #</b>	<b>Outcome</b>	<b>Indicator</b>	<b>Scoring Tool</b>
6a	Interdependence of organisms	Responses to this activity demonstrate the ability of students explain that organisms can survive only in environments in which their	This Response
			3 - identifies 4 environmental needs and one problem that Flag Ponds may have in order for the terrapins to survive
			2 - identifies 2 - 3 environmental needs and one problem that Flag Ponds may have in order for the terrapin to survive

		needs can be met	1 - identifies 1 environmental needs and one problem that Flag Ponds may have in order for the terrapin to survive										
			0 - all other answers										
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7	Skills and Processes/ Critical Thinking	Responses to this activity demonstrate the ability of students to provide supporting evidence when forming conclusions, devising a plan or solving a practical problem											