

TABLE 1

### Learning objectives and scoring guide.

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Learning Objectives: What will students know and be able to do as a result of this lesson? Students will...	Evidence for Learning (three points for full credit)
<ul style="list-style-type: none"> <li>identify changes in an ecosystem (human induced and natural) that can affect the survival of an animal species.</li> </ul>	Students should identify <ul style="list-style-type: none"> <li>a human induced change</li> <li>a natural disturbance</li> <li>the impact on the survival of a species</li> </ul>
<ul style="list-style-type: none"> <li>identify characteristics in an animal species that allow them to adapt to changes in an ecosystem.</li> </ul>	Students should identify <ul style="list-style-type: none"> <li>traits (characteristics) of species</li> <li>how traits aided survival</li> <li>changes in ecosystem</li> </ul>
<ul style="list-style-type: none"> <li>complete an engineering design challenge demonstrating an animal's structure that can function in a changed ecosystem.</li> </ul>	Students should <ul style="list-style-type: none"> <li>describe animal structure</li> <li>describe relevant changes to ecosystem</li> <li>connect structure to function</li> </ul>
<ul style="list-style-type: none"> <li>explain that when the environment changes, differences between individuals allow some animals to survive and reproduce while others die or move to new locations.</li> </ul>	Students should <ul style="list-style-type: none"> <li>explain reasons of why some species survived</li> <li>explain reasons of why some species did not survive</li> <li>explain how environmental change had differential impacts on species</li> </ul>