**NAME:**

**Research**

*Complete & Accurate Research*
*Displays Understanding of Organism*

<table>
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<tr>
<th>Category</th>
<th>Exemplary</th>
<th>Accomplished</th>
<th>Developing</th>
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<th>Possible CAUSES:</th>
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<td><strong>CAUSES:</strong></td>
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<td>positive</td>
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<tr>
<td>Habitat restoration</td>
<td>Conservation efforts</td>
<td>Reduce CO₂ emissions</td>
<td>Convert to green energy sources</td>
<td>Improved urban areas</td>
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<tr>
<td>negative</td>
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<tr>
<td>Climate change</td>
<td>Ocean acidification</td>
<td>Rising sea levels</td>
<td>Drought/Desertification</td>
<td>Habitat Loss</td>
<td>Extreme weather</td>
</tr>
</tbody>
</table>

**EFFECTS:**

Adaptations

Anatomical

Behavioral

Physiological

**Research**

Student presents information that demonstrates depth and detail in their research of the organism and its environment

Students present information that demonstrates adequate depth. Some detail in their research of the organism and its environment

Student presents information that demonstrates inadequate depth in their research of the organism and its environment

**Research**

Complete & Accurate Research

Displays Understanding of Organism

**Evolution**

*Complete & Accurate Images and Captions for 4 moments in time*

- Colored & detailed sketch
- Explanation in text how environmental changes influenced adaptations for increased fitness of species
- Name the evolved organism using the same Genus & different species name

Student shows an in-depth understanding of natural selection and evolution through adaptation to a changing environment. Plus logical predicted impacts of climate change on that environment

Students show adequate understanding of natural selection and evolution through adaptation to a changing environment. Plus logical predicted impacts of climate change on that environment

Student shows an inadequate understanding of natural selection and evolution through adaptation to a changing environment. Plus illogical predicted impacts of climate change on that environment

**Evolution**

Complete & Accurate Images and Captions for 4 moments in time

- Colored & detailed sketch
- Explanation in text how environmental changes influenced adaptations for increased fitness of species
- Name the evolved organism using the same Genus & different species name

**Gallery Walk Presentation**

The work is well-presented and includes all required elements. The overall appearance is neat and professional.

The presentation is good. The overall appearance is generally neat, with a few minor/missing elements.

The piece is not neat/organized, and it does not include all the required elements.

The work is not neat/includes minor flaws or omissions or required elements.

**Reflection Questions**

Knowledgeable about species and possible solution

Knows about the species and possible solution but has some uncertainties

Can give basics about species, but little ability to answer

Uncertain of species or cannot answer basic questions

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