

# What's the key? The keystone species

Name \_\_\_\_\_ Period \_\_\_\_\_ Date \_\_\_\_\_

For this assignment, you will pick a **keystone species** of *your* choice. You will be researching that species to learn about their background and how they are a keystone species. You will have a choice of product for this assignment. *All* options **MUST** follow the attached rubric. Please choose **ONE** of the following options:

<b>Written Report</b> <ul style="list-style-type: none"> <li>1 ½ to 2 pages typed or 2 ½ to 3 pages hand written</li> <li>Use 12-pt font, double spaced, Times New Roman or Arial</li> </ul>	<b>Keynote Presentation</b> <ul style="list-style-type: none"> <li>Minimum of 5 <i>detailed</i> slides</li> <li>Must include pictures of the species &amp; its habitat</li> </ul>
<b>Drawing/Diagram</b> <ul style="list-style-type: none"> <li>The keystone species &amp; how it interacts with its ecosystem (include two other species)</li> <li>Use labels for unclear parts</li> <li>A caption is necessary to describe the species &amp; its interactions</li> </ul>	<b>Informative Video</b> <ul style="list-style-type: none"> <li>Voiceover to talk about the species, including all rubric requirements</li> <li>At least 3 or more pictures of the species &amp; its ecosystem</li> </ul>

If you have an idea that is different than the options listed, please see Mrs. Fromholz-Smith to get it approved! I welcome new ideas!!! ☺

Write your choice here: \_\_\_\_\_

Here is the rubric to be followed for **ALL** options:

Categories	Insufficient (0-5)	Needs improvement (6-12)	Satisfactory (13-17)	Exceeds Expectations (18-20)
<b>Species' background information</b> <i>Common name, scientific name, food sources, habitat, behaviors, etc.</i>	The species' background was not discussed or was missing <b>three or more</b> of the required pieces of information.	The species background was discussed, but lacked <b>two or less</b> of the required pieces of background information.	The species background was discussed fully, including all of the required parts listed.	The species' background was discussed with attention to detail & there were facts or information given that were not required.
<b>How is it a keystone species?</b> <i>Interactions with at least two other species within the ecosystem &amp; how they effect each other</i>	The interactions of the keystone species with other species in the ecosystem were left out entirely. <b>No</b> other species are described in their interactions with the keystone.	The interactions of the keystone species with other species were unclear or lack detailed that help the viewer understand what a keystone species is. <b>One</b> other species is described in its interactions with the keystone.	The interactions of the keystone species with other species were clearly described & it was easy to understand what makes the species a keystone. <b>Two</b> other species are described in their interactions with the keystone.	The interactions of the keystone species with other species were described in detail & it was very obvious how this species is a keystone. <b>More than two</b> other species are described in their interactions with the keystone.
<b>What happens if this species' population decreases or is lost entirely?</b> <i>Discuss specific affects to the ecosystem without this species' contribution</i>	The affects to the ecosystem in the event of a low population or loss of the keystone species are not discussed.	At least <b>one</b> affect is described but it is unclear or difficult to understand. More detail is needed to clearly understand the potential affects.	<b>Two</b> potential affects are discussed and it is clear how the ecosystem will be hurt by the loss of keystone species.	<b>More than two</b> potential affects are discussed using attention to detail by including specific affects to the different species and the overall environment of the ecosystem.
<b>Appearance</b> <i>Organization, cleanliness, written structure, grammar, spelling</i>	The format requirements were not followed for the chosen product.	The product is unorganized, has several written errors, or is messy in appearance. More time and proofreading would resolve this.	The product is organized in a way that is easy to follow. There are few written errors and it has an overall clean, non-rushed appearance.	The product is outlined with clear attention to detail. There are no significant written errors. The author went above and beyond to make their work appealing to its viewer.

Name, period, and the date on the rubric? (5 pts) \_\_\_\_\_

Hand-written notes on a **separate** piece of paper (10 pts) \_\_\_\_\_

Two reliable sources cited? (5 pts) \_\_\_\_\_

**Total out of 100 pts:** \_\_\_\_\_