

Names: \_\_\_\_\_

## Gray Wolf Population Study

For this project, you will be working with your table group to study the current status of the Gray Wolf populations in the U.S, and Michigan in particular. You will create an oral presentation using Google, Prezi, or Keynote that will include the following:

- Images of the Gray Wolf and its habitat 5 pts \_\_\_\_\_
- Genus and species name (scientific name) 2 pts \_\_\_\_\_
- Where it lives (its range and habitat). 2 pts \_\_\_\_\_ Where it use to live (its historical range). 2 pts \_\_\_\_\_ Be sure to include Michigan
- Current population numbers in Michigan and at least two other major areas of the U.S. (its population density) 3 pts \_\_\_\_\_, and historical population numbers in MI 2 pts \_\_\_\_\_
- Describe the wolf's ecosystem in Michigan (habitat and niche), including biotic and abiotic factors. 8 pts \_\_\_\_\_
- What other organisms do they live with? 2 pts \_\_\_\_\_ What do they eat? 2 pts \_\_\_\_\_ Who/ what eats/kills them? 2 pts \_\_\_\_\_ How do they hunt and breed? 2 pts \_\_\_\_\_
- What is its carrying capacity? 2 pts \_\_\_\_\_ How do you know? 2 pts \_\_\_\_\_
- What factors limit the wolf's population 3 pts \_\_\_\_\_ and are they density-dependent or density-independent? 5 pts \_\_\_\_\_
- How do humans manage the wolf population? 8 pts \_\_\_\_\_
- Whether the states with significant wolf populations have delisted the Gray Wolf from the Endangered Species List. 2 pts \_\_\_\_\_ Has Michigan? 2 pts \_\_\_\_\_ If so, when and why? 3 pts \_\_\_\_\_
- What are the arguments to continue to protect the wolves (keep them on the endangered species list)? 8 pts \_\_\_\_\_ What are the arguments to remove the wolves from the Endangered Species list? 8 pts \_\_\_\_\_
- Citations from VALID websites in MLA format. 5 pts \_\_\_\_\_

**Total 80 Content Points \_\_\_\_\_ (group grade)**

For presentation, I expect you to be able to explain rather than read. 5 pts \_\_\_\_\_ I also expect you to speak to the audience rather than SmartBoard 5 pts \_\_\_\_\_, and use appropriate volume and tone 5 pts \_\_\_\_\_. Each slide must have limited text and be in bullets (no more than 3 bullets per slide and no more than 7-8 words per bullet) 5 pts \_\_\_\_\_

**Total 20 Presentation Pts \_\_\_\_\_ (individual grade) Bonus points if you dress up +5 pts \_\_\_\_\_.**

Each group member will also be graded by other group members for collaboration with your group based on effort and initiative each work day and outside of class if necessary

**40 individual points total**

**Due Date \_\_\_\_\_**

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After the presentations, we will hold a debate to present persuasive arguments for or against delisting the Gray Wolf.

Suggested Resources:

- Michigan Department of Natural Resource - Wolves in Michigan [http://www.michigan.gov/dnr/0,1607,7-153-10370\\_12145\\_12205-32569--,00.html](http://www.michigan.gov/dnr/0,1607,7-153-10370_12145_12205-32569--,00.html)
- U.S. Fish and Wildlife Service - Western Great Lakes <http://www.fws.gov/midwest/wolf/>
- International Wolf Center <http://www.wolf.org/wolves/learn/justkids/kids.asp>
- The Wolves and Moose of Isle Royale [http://www.isleroyalewolf.org/population\\_dynamics](http://www.isleroyalewolf.org/population_dynamics)
- The Isle Royale Institute, 2007. *Wolf and Moose Populations on Isle Royale*. From Michigan Science Teachers Association (MSTA) Journal, Fall, pp. 32-34. (see me for copy)
- Fortier, G. M., 2002. *The Wolf, the Moose, and the Fir Tree: Who Controls Whom on Isle Royale?*, Delaware Valley College, Dept. of Small Animal Science, Oct., pp. 1-6. (see me for copy)
- Paul, W.J. and P. S. Gipson, 2007. *Wolves*. U.S. Fish & Wildlife Service, Prevention and Control of Wildlife Damage.
- Achenbach, J., 2008. *Administration seeks to de-list wolves*. The Washington Post syndicated column. From the Ann Arbor News, Oct. 25.
- Miller and Levine, 2002. *Biology*. Prentice-Hall.