

Wildlife Learning Objectives & Resources

1. Identify common wildlife species and wildlife signs (keys will be used for more extensive identification).
 - ◆ *Field Guides* – National Wildlife Federation eNature
<http://enature.com/fieldguides/>
 - ◆ Birds of Michigan
<http://www.outdoor-michigan.com/Birds.htm>
 - ◆ *All About Birds* – Cornell Lab of Ornithology
<http://www.birds.cornell.edu/AllAboutBirds/BirdGuide/>
Choose the birds you find on the “Birds of Michigan” website (website listed above). Learn facts about the species and listen to the bird songs.
 - ◆ *Michigan Wildlife MDNR*
http://www.michigan.gov/dnr/0,4570,7-153-10370_12145---,00.html
2. (objectives 2 – 4) Identify basic wildlife survival needs. Describe specific adaptations of wildlife to their environment and role in the ecosystem. Describe predator/prey relationships and examples.
 - ◆ *Wildlife’s Requirement for Survival* - Texas Parks and Wildlife
http://www.tpwd.state.tx.us/publications/pwdpubs/media/pwd_if_k0700_0167d.pdf
 - ◆ *Managing Michigan’s Wildlife –Introduction to Wildlife Habitat & Management*
http://www.michigandnr.com/publications/pdfs/huntingwildlifehabitat/Landowners_Guide/Introduction/TOC.htm
 - ◆ *Winter Adaptations of Animals* – MSU Extension
<http://mff.dsisd.net/Environment/WinterAnimals.htm>
 - ◆ Project Wild (all of their guidebooks cover these wildlife basic concepts)
<http://www.projectwild.org/resources.htm>
 - ◆ *Wildlife Diversity: The Links of Life* - University of Minnesota Extension Chapter 1, Sections C & D. Conducting the activities is optional, but you should understand the lesson/purpose of them.
<http://conservancy.umn.edu/bitstream/handle/11299/51278/06340.pdf?sequence=1&isAllowed=y>
3. Describe the potential impact of the introduction of non-native species and describe the major factors affecting threatened and endangered species and methods used to improve the populations of these species.
 - ◆ *MISIN – Midwest Invasive Species Network*
<http://www.misin.msu.edu/>
 - ◆ National Invasive Species Information Center
<http://www.invasivespeciesinfo.gov/index.shtml>
 - ◆ *Aquatic Invasive Species* – Great Lakes Information Network (GLIN)
<http://www.great-lakes.net/envt/flora-fauna/invasive/invasive.html>
 - ◆ U.S. Fish & Wildlife Service - Invasive Species Page
<http://www.fws.gov/contaminants/Issues/InvasiveSpecies.cfm>
 - ◆ Michigan List of Threatened, Endangered, Proposed and Candidate Species
U.S. Fish & Wildlife Service
<http://www.fws.gov/midwest/endangered/lists/michigan-cty.html#>

4. Describe ways that habitat can be improved for specific species by knowing their requirements.
 - ◆ *Managing Michigan's Wildlife – Introduction to Wildlife Habitat & Management* (see link above)
 - ◆ *Wildlife Diversity: The Links of Life* - University of Minnesota Extension Chapter 3. Conducting the activities is optional, but you should understand the lesson/purpose of them. (see link above)
 - ◆ *Working Trees for Wildlife* – USDA National Agroforestry Center <http://nac.unl.edu/documents/workingtrees/brochures/wtw.pdf>
 - ◆ *Tree Snags (dead or downed trees)* – National Wildlife Federation <http://www.nwf.org/How-to-Help/Garden-for-Wildlife/Gardening-Tips/Attracting-Wildlife-With-Dead-Trees.aspx>

5. Discuss the concepts of carrying capacity and limiting factors.
 - ◆ *Carrying Capacity* <http://www.gov.mb.ca/conservation/sustain/carcap.pdf>
 - ◆ *Wildlife Diversity: The Links of Life* - University of Minnesota Extension (see link above)

6. Discuss various ways the public and wildlife managers can help in the protection, conservation, management, and enhancement of wildlife populations.
 - ◆ *Managing Michigan's Wildlife* (see link above)
 - ◆ *Wildlife Diversity: The Links of Life* - University of Minnesota Extension (see link above)

7. Describe food chains/webs and cite examples.
 - ◆ *Illustration and explanation of simple to complex food webs/ chains* <http://iweb.tntech.edu/cabrown/Ecology/Ecol%20Lectures/3130FoodWebs.pdf>
 - ◆ *Lake Michigan Food Web* – NOAA/Great Lakes Fishery Commission http://www.glerl.noaa.gov/res/projects/food_web/food_web.html

8. Describe factors that limit or enhance population growth.
 - ◆ *Wildlife Diversity: The Links of Life* - University of Minnesota Extension
 - ◆ *Reproductive Strategies* <http://www.world-builders.org/lessons/less/biomes/breeding.html>

9. Evaluate a given habitat and its suitability for designated species when given a description of its habitat needs.
 - ◆ *Managing Michigan's Wildlife* (see link above)

Additional Internet Resources for Wildlife

National Wildlife Federation
<http://www.nwf.org/Wildlife.aspx>

U.S Fish and Wildlife Service
<http://www.fws.gov/>