

Students should be able to:

1. Identify common wildlife of the United States, especially California.
2. Identify the role of wildlife in an ecosystem. (Biology/Life Sciences - Ecology 6.a,c,d,f,g)
3. Be able to identify bio-parts and wildlife signs (tracks, feathers, fur, hair, tooth structures, etc). (Investigation Experimentation 1.i)
4. Identify basic wildlife survival needs and the relationship to habitat. (Biology/Life Sciences - Ecology 6.a,b,c,d,e,f)
5. Describe predator-prey relationships and give examples. (Biology/Life Sciences - Ecology 6.a,c,d,f)
6. Describe food chains and food web processes and cite examples. (Biology/Life Sciences - Ecology 6.f,g)
7. Describe specific animal structure as it relates to its role served in the environment. (Biology/Life Sciences - Evolution 8.a)
8. Describe specific adaptations of wildlife to their environment and their role in the ecosystem. (Biology/Life Sciences - Ecology 6.a,c,f: Evolution 7.d)
9. Identify common animal habitats of the United States, especially California.
10. Evaluate the stability of major habitats for a designated species. Describe the habitat needs of the species. (Biology/Life Sciences - Ecology 6.a and Investigation Experimentation 1.d)
11. Describe ways habitat can be improved for specific species by knowing their habitat requirements. (Biology/Life Sciences - Ecology 6.b,c,d)
12. Describe factors that limit or enhance population growth. Be able to discuss the concept of carrying capacity and limiting factors. (Biology/Life Sciences - Ecology 6.b,c,d)
13. Identify various ways the public and wildlife managers can help in the protection, conservation management, and enhancement of wildlife populations. (Investigation and Experimentation 1.d,g,I,k,l,m)
14. Describe potential impact of the introduction of non-native species. (Biology/Life Sciences - Ecology 6.b,c: Evolution 8.b)
15. Discuss the concepts of carrying capacity and limiting factors. (Biology/Life Sciences - Ecology 6.g)
16. Describe the major factors affecting threatened and endangered species and methods used to improve the populations of these species. (Biology/Life Sciences - Ecology 6.b,ce,g: Evolution 7.d, 8.a,b,d: Investigation Experimentation 1.d,g,k,m)

Bibliography/Web Sites

<http://www.wildlife.org> - Wildlife policy, "white papers", and related publications.

<http://www.tnc.org/> - The Nature Conservancy.

<http://species.fws.gov/> - Information on endangered species, invasive species, and wildlife refuges.

<http://www.nwf.org> - Environmental education information and educator's guide.

<http://arkive.org> - Information on endangered species.

<http://www.kidsplanet.org/> - Interactive wildlife and conservation site featuring games, quizzes, fact sheets, stories, and teacher resources.

<http://webdad@lindsaysbackyard.com> - How to attract wildlife and wildlife forum.

<http://www.fws.gov> - USDI Fish and Wildlife Service

<http://nrmnhwww.si.edu/departments/vert.html> - National Museum of Natural History, Smithsonian

<http://www.dfg.ca.gov/dfghome.html> - California Department of Fish and Game

<http://www.ceres.ca.gov> - California Environmental Resources Evaluation Agency

<http://arnica.csustan.edu/esrpp/esrpp.htm> - Endangered species recovery program at CSU Stanislaus

<http://phylogeny.arizona.edu/tree/phylogeny.html> - Tree of life biodiversity

<http://www.people.fas.harvard.edu/~brach/Ecology-WWW.html> - Ecology links

<http://www.prbo.org> - Point Reyes Bird Observatory

<http://www.americanbirding.org> - American Bird Association

<http://www.audubon.org> - The Audubon Society

<http://www.cnps.org/> - The California Native Plant Society

<http://www.mip.berkeley.edu/mvz/> - Links to conservation and education sites