

4 Targeted learner outcomes

Upon completion of the Shrub Steppe unit, learners will be able to:

- **Identify at least one example of unique plant adaptations to shrub steppe conditions** (Awareness and Knowledge)
 - Knowledge of Environmental Processes and Systems
 - 2.2 The Living Environment
 - **Organisms, populations, and communities**—Identify similarities and differences among a wide variety of living organisms; describe organisms' basic needs, habitats, and ways in which they meet their needs in different habitats.
 - **Systems and connections**—Explain basic ways in which organisms are related to their environments and to other organisms.
- **Describe a way that plant adaptations effect the types and numbers of animals who live in the shrub steppe system** (Awareness and Knowledge)
 - Knowledge of Environmental Processes and Systems
 - 2.2 The Living Environment
 - **Organisms, populations, and communities**—Identify similarities and differences among a wide variety of living organisms; describe organisms' basic needs, habitats, and ways in which they meet their needs in different habitats.
 - **Systems and connections**—Explain basic ways in which organisms are related to their environments and to other organisms.
- **Explain how human needs and attitudes have caused changes that have effected the shrub steppe** (Awareness and Knowledge and Attitudes)
 - Knowledge of Environmental Processes and Systems
 - 2.3 Humans and Their Societies
 - **Change and conflict**-- Recognize that change is a normal part of individual and societal life and that conflict is rooted in different points of view.
 - 2.4 Environment and Society
 - **Human/environmental interactions**--Identify ways people depend on, change, and are affected by the environment.
 - **Resources**--Demonstrate an understanding of "resources" and describe various sources and origins of resources they use in their lives.
 - **Environmental issues**-- Be familiar with some local environmental issues and understand that people in other places experience environmental issues as well.
 - Skills for understanding and addressing environmental issues
 - 3.1 Skills for Analyzing and Investigating Environmental Issues
 - **Identifying and investigating issues**-- Identify and investigate issues in their local environments and communities.

- **Investigate the issues of and propose solutions for meeting human needs while preserving shrub steppe habitat (Skills)**
 - Questioning and Analysis Skills
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 - **Questioning**--Develop questions that help them learn about the environment and do simple investigations.
 - **Collecting information**-- Locate and collect information about the environment and environmental topics.
 - **Evaluating accuracy and reliability**--Understand the need to use reliable information to answer their questions. They are familiar with some basic factors to consider in judging the merits of information.
 - **Organizing information**-- Describe data and organize information to search for relationships and patterns concerning the environment and environmental topics
 - Skills for understanding and addressing environmental issues
 - 3.1 Skills for Analyzing and Investigating Environmental Issues
 - **Identifying and investigating issues**-- Identify and investigate issues in their local environments and communities.
 - **Sorting out the consequences of issues**--Explore the consequences of issues.
 - **Identifying and evaluating alternative solutions and courses of action**--Understand that there are many approaches to resolving issues.
 - **Working with flexibility, creativity, and openness**--Understand the importance of sharing ideas and hearing other points of view.
 - 3.2 Decision-making and Citizenship Skills
 - **Forming and evaluating personal opinions**-- Examine and express their own views on environmental issues.
 - **Evaluating the need for citizen action**--Think critically about whether they believe action is needed in particular situations and whether they believe they should be involved.
 - Personal and Civic Responsibility
 - 4.1 Personal and Civic Responsibility
 - **Understanding societal values and principles**-- Identify fundamental principles of U.S. society and explain their importance in the context of environmental issues.