

Student Exploration: Prairie Ecosystem

Directions: Follow the instructions to go through the simulation. Respond to the questions and prompts in the orange boxes. Change your text color for your answers.

Define Each Vocabulary Word:

carnivore-an organism that eats mostly meat, or the flesh of animals

consumer-a living creature that eats organisms from a different population

ecosystem-a geographic area where plants, animals, and other organisms, as well as weather and landscape, work together to form a bubble of life

equilibrium- the current functions of the body are able to keep the body at a stable condition

extinct- the dying out of a species

food chain-the sequence of transfers of matter and energy in the form of food from organism to organism

herbivore-an organism that feeds mostly on plants

organism-a living thing that has an organized structure, can react to stimuli, reproduce, grow, adapt, and maintain homeostasis

population-a group of individuals of the same species living and interbreeding within a given area

prairie-enormous stretches of flat grassland with moderate temperatures, moderate rainfall, and few trees

producer-an organism that produces their own food

Prior Knowledge Questions (Do these BEFORE using the Gizmo.)

An **ecosystem** consists of all **organisms** (living things) in an area, plus the natural landscape.

A **prairie** is flat or gently rolling grassland with few trees, such as in parts of the central United States and Canada.

Organisms often found in a prairie ecosystem include prairie dogs, swift foxes, black-footed ferrets, and of course the grass itself.



Prairie dog



Black-footed ferret



Swift fox

1. Which organism (grass, prairie dog, ferret, or fox) do you think is a **producer** (does not depend on other

organisms for its food)?

grass

2. Organisms that depend on other organisms for food are **consumers**. Which consumer you think is a

herbivore (eats plants only)?

Prairie dogs

3. Which consumers are **carnivores** (eat meat)?

ferret

and

fox

Gizmo Warm-up: Life on the Prairie

1. The **population** of prairie dogs is all the prairie dogs living in the village. In the Gizmo, what are the starting numbers of

Grass:

4,000 tons

Prairie dogs:

25,000



Prairie Ecosystem Gizmo Answers Sheet

LP Steffe

A red circular graphic with a gradient, appearing as a semi-circle or a partial circle, located to the right of the 'LP Steffe' text.

Prairie Ecosystem Gizmo Answers Sheet:

Prairie Ecosystem Gizmo Answers Sheet Book Review: Unveiling the Magic of Language

In a digital era where connections and knowledge reign supreme, the enchanting power of language has become more apparent than ever. Its ability to stir emotions, provoke thought, and instigate transformation is truly remarkable. This extraordinary book, aptly titled "**Prairie Ecosystem Gizmo Answers Sheet**," compiled by a highly acclaimed author, immerses readers in a captivating exploration of the significance of language and its profound impact on our existence. Throughout this critique, we shall delve into the book's central themes, evaluate its unique writing style, and assess its overall influence on its readership.

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