

CREATE AN ECOSYSTEM

Your challenge is to create an ecosystem.

Requirements

- You will create an ecosystem with animals and plants of your choice. You can create new types of plants and animals or use organisms that already exist.
- The ecosystem must be balanced. For example, you must have plants. Otherwise, animals can't get oxygen. Also, animals must have plants and other animals they can eat for energy.
- Your ecosystem must have producers, herbivores, carnivores, and decomposers.
- Include appropriate shelters for the animals.
- Before you begin, make a list of organisms, their roles (such as producer or carnivore) and shelters (for animals). Also describe the climate and environment of your ecosystem.

Do not do #2 or #3. The assignment is to complete the next page (notes) and on a separate piece of paper draw your Ecosystem.

Your Project Options

- ~~1. Make a poster showing a map of where the animals and plants live. Describe your animals, their diets, and their shelters. Describe your plants and their needs. Explain how they interact to maintain a balanced ecosystem.~~
- ~~2. Use a computer program or paper/pencil to make a book describing the animals' needs and plants' needs. Be sure to explain how they interact to maintain a balanced ecosystem.~~
- ~~3. Create a three-dimensional map of your ecosystem in the bottom of a box. Describe your animals, their diets, and their shelters. Describe your plants and their needs. Explain how they interact to maintain a balanced ecosystem.~~

Name _____

Challenge # 3

CREATE AN ECOSYSTEM

Climate and Environment

Plants and their Roles

Animals and their Roles

Name _____

Challenge # 7

FOOD WEb

Your challenge to create a food web for an ecosystem of your choice.

Requirements

- Select an ecosystem (such as a prairie, tropical rain forest, or coral reef).
- Research the ecosystem and make a list of the organisms that dwell in the ecosystem. Include what each animal consumes.
- Make a sketch of your project plan.

Your Project Options

1. Use the information from your research to create a food web on a poster. [The poster is made on the next page!](#)
2. Use the information from your research to create a three-dimensional food web. [Do Not Worry about #2 - Just complete the next page!!!](#)
3. Use the information from your research to create a food web on the computer or iPad.

Name _____

Challenge # 7

FOOD WEB

My Research

My Food Web Sketch with Labels