

# ENERGY FLOW WEBQUEST

## Create Your Own Food Web

Link all organisms together into a proper food web.

Which trophic levels does the lizard hold? \_\_\_\_\_

Which trophic levels does the bird hold? \_\_\_\_\_

Which trophic level does the plant represent? \_\_\_\_\_

Which trophic levels does the Jaguar hold? \_\_\_\_\_

## Interactive Food Web

Click on a variety of organisms to remove them from the food web. Pick at least 4 organisms and remove them from the food web.

Which organisms did you remove?

\_\_\_\_\_

How did removing organisms from the food web affect other species?

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

## Chain Reaction

What are the types of consumers used in this activity? \_\_\_\_\_

**Complete food chains for both NORTHERN & FOREST.**

What is the order of species for a northern food chain?

\_\_\_\_\_

\_\_\_\_\_

What is the order of species in a forest food chain?

\_\_\_\_\_

What occurs when the fish is removed from the northern food chain?

\_\_\_\_\_

What occurs when the frog is removed from the northern food chain?

\_\_\_\_\_

\_\_\_\_\_

## COOL Projects Food Web Game

**When the page loads, please enter your first and last name and what hour you have for your class. Try to score as close to 100 points as possible!**

Which organisms were found in the lowest trophic level?

\_\_\_\_\_

Which organisms were found in the 3<sup>rd</sup> trophic level?

\_\_\_\_\_

Why do you believe there are only 3 top level consumers?

\_\_\_\_\_

What was your total score? \_\_\_\_\_

**Energy Pyramids in Biology**

Pick one of the ecological pyramids represented in the animation and watch and read the information provided.  
What do energy pyramids show?

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What do the layers of an energy pyramid represent?

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What are the producers, herbivores and carnivores in your chosen energy pyramid?

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**Energy Flow in Ecosystems**

How much energy from the sun actually reaches the corn? \_\_\_\_\_

What does the energy from the sun get used for in the corn?

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What percent of the sun's energy get transferred to other organisms? \_\_\_\_\_

Describe the energy flow in this example.

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