

# The Endangered Food Chain

Name: \_\_\_\_\_

## Part 1: The Herbivores

1. What happened to the corn?

The corn was eaten by the grasshoppers (a lot)

a. **Predict:** What does this will mean to the farmer?

The farmer will have to replant corn or he won't have enough product (corn). The farmer will want to eliminate the grasshoppers.

2. **Provide an example** of who else depends on the corn crop.

Livestock (animals), consumers (people), other wild animals, farmer's family

a. **Describe** how/why they depend on it.

Food and energy because corn (plant) is a producer. Also, income.

3. **Predict** the economic impact of grasshoppers ruining a crop?

Farm can go out of business, price of corn will go up.

a. **Explain** how that makes sense.

Supply and demand / Market economy

4. **Describe** a method that could be used to prevent grasshopper damage.

(What is the *most economical way, most effective way, most environmentally sound way?*)

① Pesticides (effective, economical)

③ Build a grasshopper barrier (dome, tall wall, mesh)

② Predators (effective?, economical?, environmentally sound)

## Part 2: The Infected Food Chain

Individual Data:

	Elbow Pasta	Spiral Pasta	Grasshoppers	Lizards
Number Consumed:				

1. **Predict** what the two types of pasta could represent.

a. **Explain your reasoning.**

2. **Predict** what would happen to the grasshoppers that ate the affected corn?

a. **Why?**

3. **Predict** what would happen to the lizards that ate the infected grasshoppers?

a. **Why?**

