

## Who Needs Who?

### Activity Objectives

Students will:

- Realize the beneficial relationships that exist between living organisms.
- Recognize the benefits of pollinators to humans.
- Take action to benefit endangered pollinators.



### Materials

- A sticky note for each student.
- “Who Needs Who?” worksheet

### Discussion

- ◆ Discuss with the students the fact that most living organisms depend upon other living organisms for survival.
- ◆ Focus on the ways in which animals depend upon plants; food, oxygen, shelter, clothing, etc.
- ◆ Introduce the fact that about 80% of the world's flowering plants rely on pollinators. These plants include crop plants and need pollinators to produce seeds and fruit. One of every three bites of food consumed in the United States is dependent upon animal pollination.



### Instructions

1. Give each student a sticky note to take to lunch. Assign the students the task of counting how many bites of food they eat during one meal.
2. After the students have made their counts have a class discussion on # of bites taken, average # of bites, etc. Have students complete the “Lunch Munch” chart contained in the “Who Needs Who?” worksheet. Follow with a discussion on what food they would have had to do without if there were no pollinators.
3. Using a taco as an example, have students complete Bats...Bees...Tacos? activity.

### Answer Key:

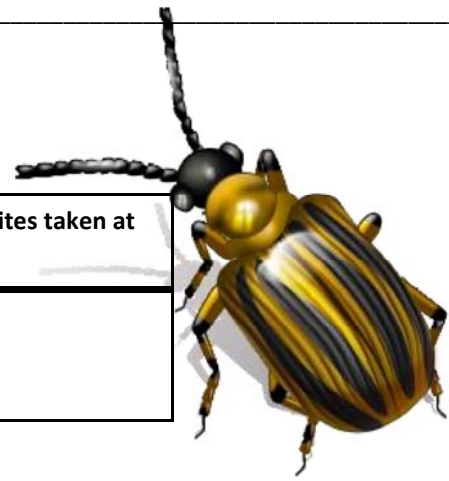
*Bats...Bees...Tacos? Beef & Cheese: beef and cheese comes from cows, cows eat alfalfa hay which is pollinated by bees. Tomato: pollinated by bees. Avocado: pollinated by bees, flies and bats. Onion: pollinated by bees. Chili pepper: pollinated by bees and flies.*



# Who Needs Who?

## The Lunch Munch

The # of bites I took at lunch:	Total # of bites taken by the class at lunch:	Average # of bites taken at lunch:



What foods would you have had to do without at lunch if there were no pollinators?




# Bats...Bees...Tacos?

Draw lines connecting the taco ingredient to the pollinator or pollinators responsible for it.

- beef**
- cheese**
- tomato**
- avocado**
- onion**
- chili pepper**

- bees**
- flies**
- bats**



Draw a  on the map where you live. List three pollinators that are common in your state:

\_\_\_\_\_

Many pollinators are threatened or endangered. Go to

<http://www.fws.gov/pollinators/Programs/Endangered.html> to see if pollinators in your area need help!

