

HANDS-ON ACTIVITY

# Modeling Matter Moving within an Ecosystem

## **Objective**

**Collaborate** with a partner to choose and model an ecosystem. Use this model to show how matter moves among organisms and their environment.

What question will you investigate to meet this objec	tive?

#### **Materials**

- · materials to model
- scissors
- index cards
- markers
- paste
- string or yarn
- stanler

\_\_\_\_\_

### **Procedure**

**STEP 1** With your partner, choose an ecosystem to model. Research the organisms you will include in your model ecosystem.

Which ecosystem are you researching?



## Use your research to complete the table below.

Ecosystem	
Energy source	
Producers	Consumers
Decomposers	

STEP 2 Discuss with your partner how you want to model your ecosystem. For example, you could choose to make a diorama, create a poster, or design a digital model.		
Describe how you will model your ecosystem.		
STEP 3 Start by making the pieces of your system. Label each of your organisms as a producer, consumer, scavenger, or decomposer.  STEP 4 Arrange the organisms into food chains.  Based on your research, how do the organisms interact to move matter through the ecosystem?	Most Continue	
STEP 5 Find the food chains that overlap. Connect the chains together. Your end result should look like a food web.		
What is the relationship between food chains and food webs?	Carling Community	

ecosystem.

STEP 10 Write another question you would like to ask about how matter moves through an