

# Owl Pellets Project



**Science Inquiry Project**  
**Standards: Food Chains and Webs**

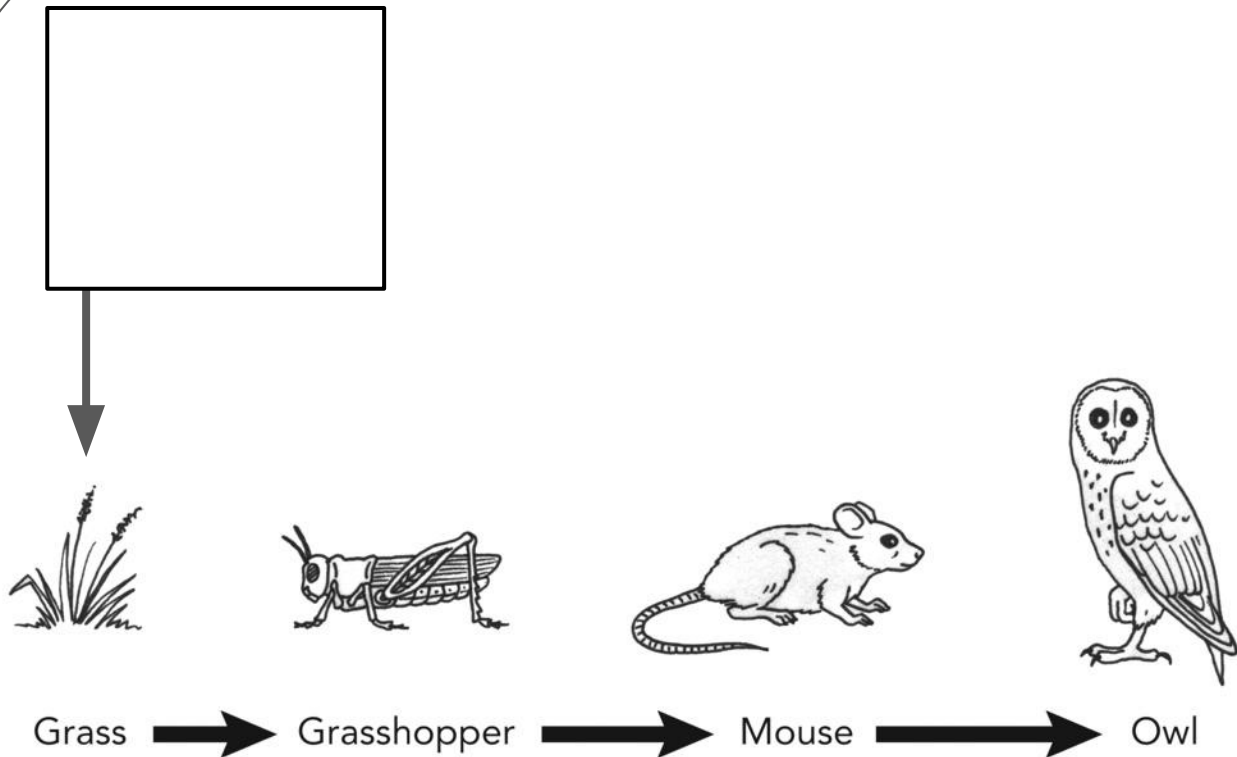
# Student Workbook



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

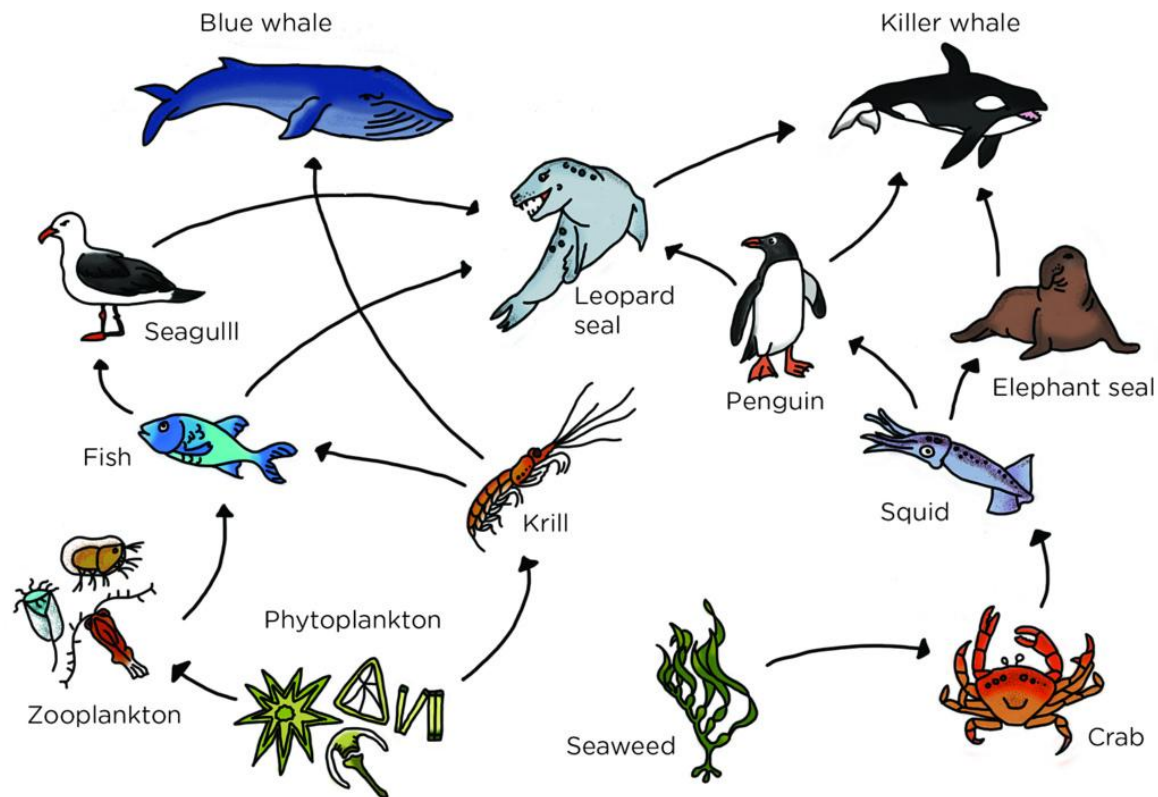
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# Student Workbook



Food chains are how scientists show how animals eat each other. The arrows show where the energy is going NOT who is eating who! Grass can definitely not eat a grasshopper! Instead, the grasshopper is eating the grass, and the arrow shows that the grasses' energy is going into the grasshopper. The beginning of this food chain is missing. Fill in what you think it might be.

# Student Workbook

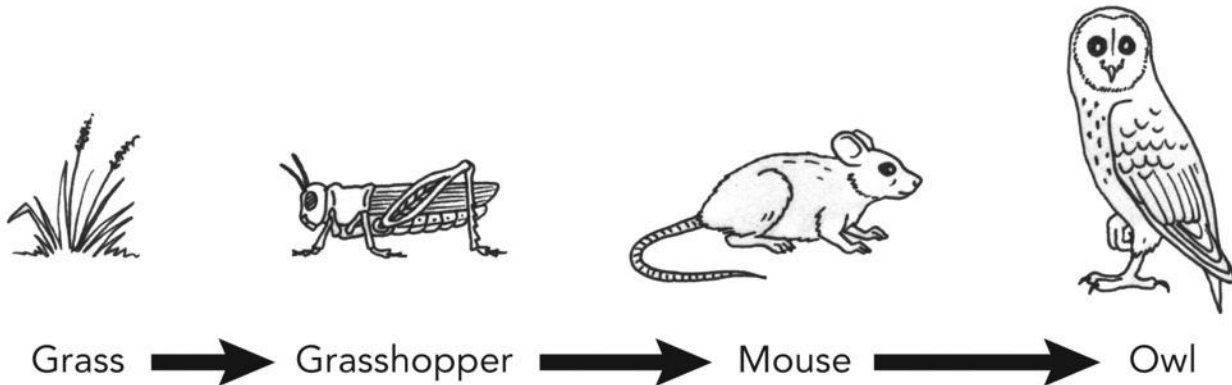


**Food webs are when many food chains combine. In an ecosystem, because there are many different kinds of animals, there are many food chains. They combine to make what you see above. While it is harder to read, it is just the same as a normal food chain.**

**What is the main difference you notice?**

**What ecosystem do you think this is from?**

# Student Workbook



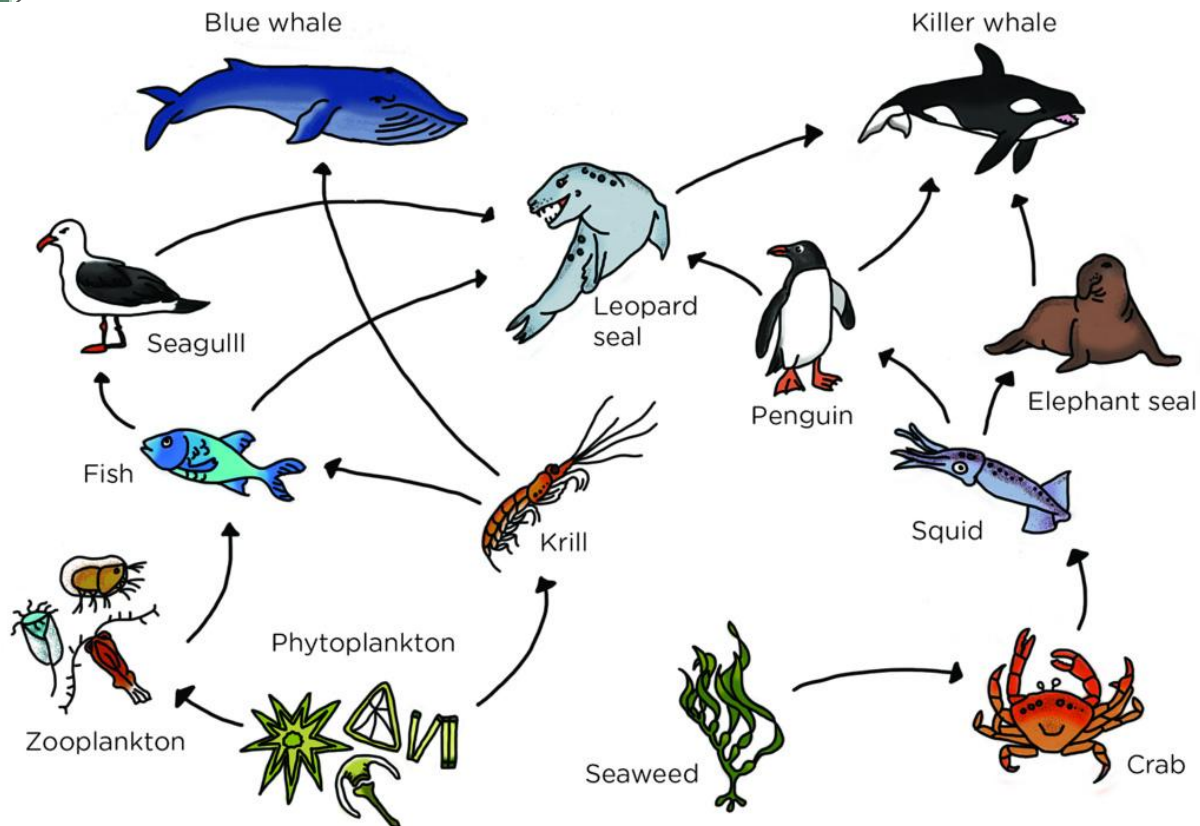
Now that you know how food chains work, you need to know how scientists name the animals on a food chain.

1. The plant in a food chain is the **PRODUCER**. Producers make (or produce) energy from the sun using photosynthesis.
2. The animal that eats the producer is the **CONSUMER**. Consumers eat (or consume) the producers.
3. What about all those other animals?? They are still consumers! They are all called **Primary (1st), Secondary (2nd), and Tertiary (3rd) consumers**.

Label the food chain above!



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**Label the following according to the food web:**

1. **Blue Whale:** \_\_\_\_\_
2. **Fish:** \_\_\_\_\_
3. **Seaweed:** \_\_\_\_\_
4. **Penguin:** \_\_\_\_\_
5. **Leopard Seal:** \_\_\_\_\_
6. **Phytoplankton:** \_\_\_\_\_

**Vocabulary Words**  
**Producer                  Consumer**

# Student Workbook

## Quiz

1



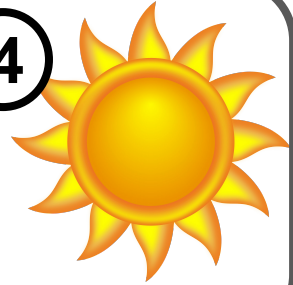
2



3



4



Put the items above in correct order on the food chain below. Then label each item with its name and if it is a producer, primary consumer, secondary consumer, or energy source.

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# Student Workbook

## Quiz

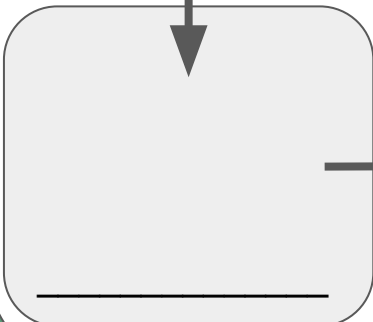
①

②

③

④

Choose 3 animals and 1 plant that are part of the same food chain and draw them above. Then label each item with its name and if it is a producer, primary consumer, secondary consumer, or energy source.





# Student Workbook

## All About Owls

Owl Picture

Owl Habitats

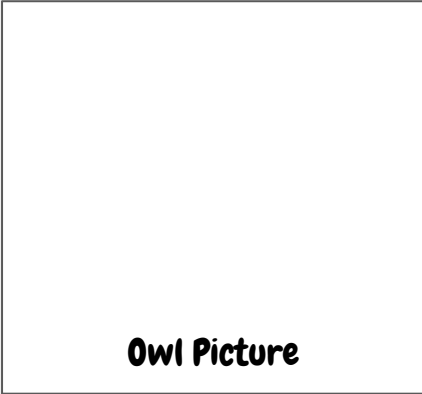
What Owls Eat

Fascinating Facts

# Student Workbook

## Owl Research Project

My Species: \_\_\_\_\_



Owl Picture

Habitat Information

Hunting and Eating

Fascinating Facts

# Student Workbook

## Owl Pellets Inquiry Activity

My Partner(s)		
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### Hook

Your teacher is going to give you and your partners an Owl Pellet. You may look and gently touch the owl pellet, then come up with questions after discussing what you think it is with your partners.

Write 3 questions that you have about Owl Pellets

1. \_\_\_\_\_
2. \_\_\_\_\_
3. \_\_\_\_\_

Draw the pellet and any other materials your teacher gave you.

# Student Workbook

## Owl Pellets Inquiry Activity

### Explore

**Step 1: Observe the owl pellet**

**Step 2: Gently Break it Apart**

**Step 3: Use the tweezers to remove anything interesting**

**Step 4: Sort any interesting items and label them with what you think they might be**

**Step 5: Come up with the definition of an owl pellet and what it has to do with food webs and food chains.**

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# Student Workbook

## Owl Pellets Inquiry Activity

Sorting Table

Sorting Table			



# Student Workbook

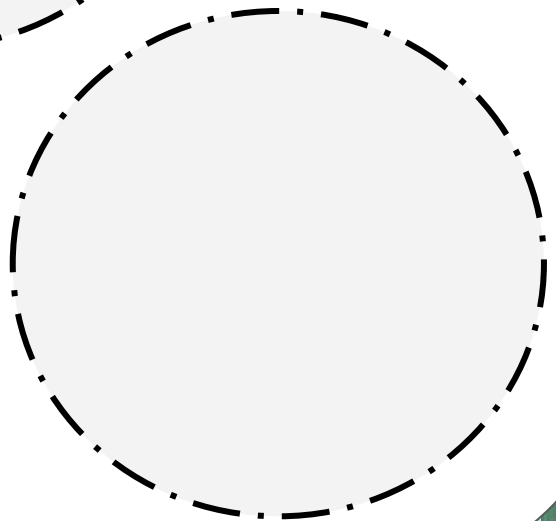
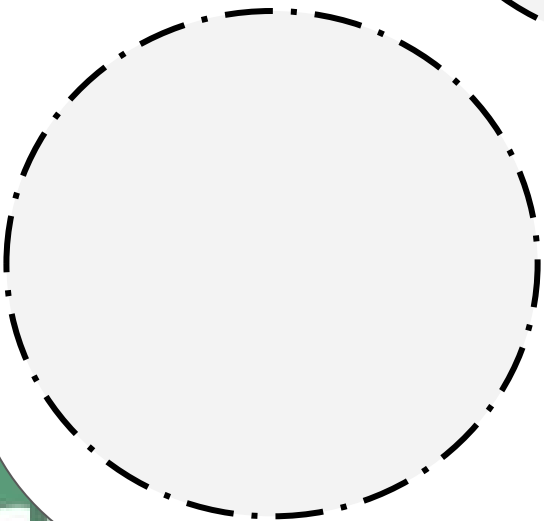
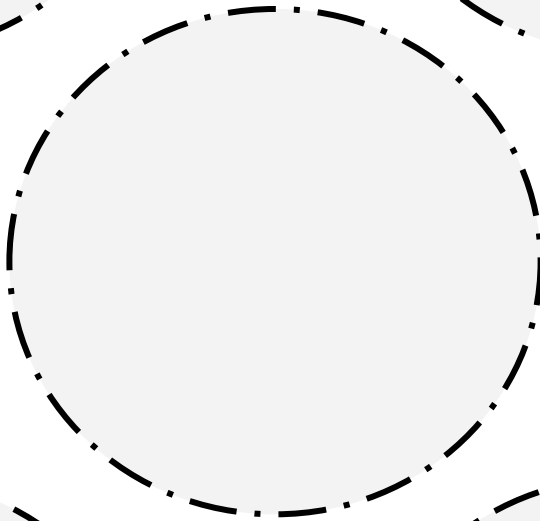
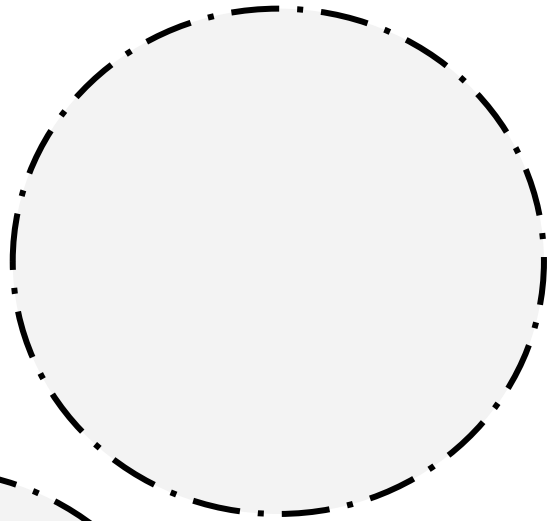
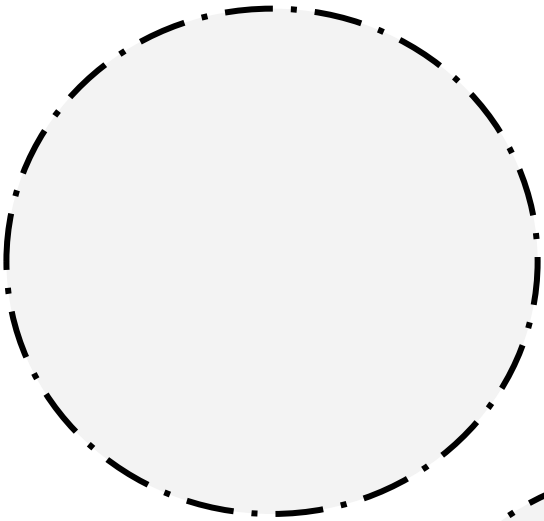
## Owl Pellets Inquiry Activity

Sorting Table

Sorting Table			

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## Owl Pellets Inquiry Activity



# Student Workbook

## Vocabulary Cards

Photosynthesis

Consumer

Producer

Food Chain

Food Web

Primary

Secondary

Tertiary

# Student Workbook

## Vocabulary Cards

An animal that gets its energy from eating other animals.

How a plant makes its own food or energy, using the sun and carbon dioxide in the air.

How scientists show energy moving from one plant or animal to another..

Plants that create energy for an ecosystem.

First (1st)

A food web is when many food chains are combined in an ecosystem.

Third (3rd)

Second (2nd)