

**Science Studies Weekly—Challenger (Grade 5)**  
**Teacher Resource Book**

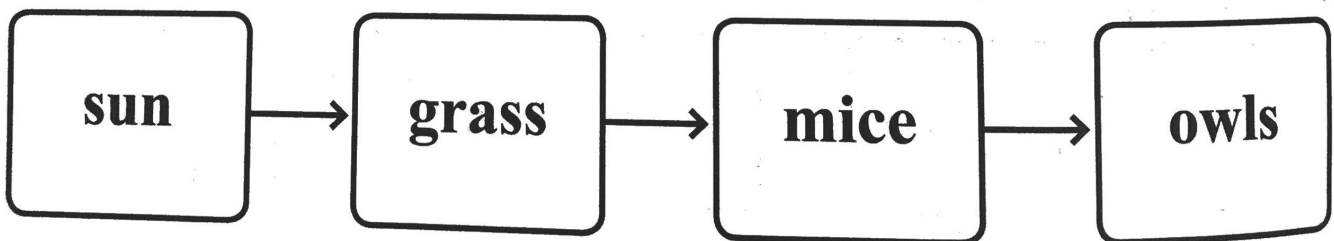
**Name:** \_\_\_\_\_  
**Science Studies Weekly: Challenger (5<sup>th</sup> Grade)**

**Date:** \_\_\_\_\_  
**Week 26, 4th Quarter**

Read each question and the answer choices. Fill in the circle that goes with the correct answer.

- 1 Which scientists study the relationships of all living things in a community?
  - Ⓐ anthropologists
  - Ⓑ ecologists
  - Ⓒ biologists
  - Ⓓ geologists
  
- 2 Which animals became a problem when introduced into Australia to keep beetles from eating the sugar cane crops?
  - Ⓕ mice
  - Ⓖ lizards
  - Ⓗ geckos
  - Ⓙ toads

Use the diagram below and what you know to do #3.



- 3 Which item in this food chain is a producer and makes its own food?
  - Ⓐ owl
  - Ⓑ mice
  - Ⓒ grass
  - Ⓓ sun

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- 4 What do scientists use to study the Boreal Forest in northern Canada?
- Ⓕ radar
  - Ⓖ the space shuttle
  - Ⓗ satellites
  - Ⓙ telescopes
- 5 Which of the following is not a way humans upset the balance in an ecosystem?
- Ⓐ destroying too many trees in a forest
  - Ⓑ bringing in harmful plants and/or animals
  - Ⓒ using pesticides
  - Ⓓ studying plants and animals
- 6 Rachel Carson, whose books and studies have influenced ecologists and conservationists all over the world, originally studied
- Ⓕ botany
  - Ⓖ paleontology
  - Ⓗ marine biology
  - Ⓙ astronomy
- 7 Which animals that came to an island on Lake Superior helped balance the ecosystem?
- Ⓐ timber wolves
  - Ⓑ moose
  - Ⓒ owls
  - Ⓓ foxes

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- 8 Which of the following is not a reason that the orangutans on the Animal Planet show “Orangutan Island” are endangered?
- Ⓕ chemicals sprayed in their habitat
  - Ⓖ being captured and sold as pets
  - Ⓗ having their parents killed
  - Ⓙ losing their rainforest habitat

Use the chart below and what you know to do #9.

Living things that migrate to survive in the tundra	
	reindeer
	caribou
	foxes
	?

- 9 Which of the following could best be added to the chart?
- Ⓐ birds
  - Ⓑ mosses
  - Ⓒ lichens
  - Ⓓ lizards
- 10 Which of the following are important decomposers in a food chain?
- Ⓕ predators
  - Ⓖ bacteria
  - Ⓗ producers
  - Ⓙ plants

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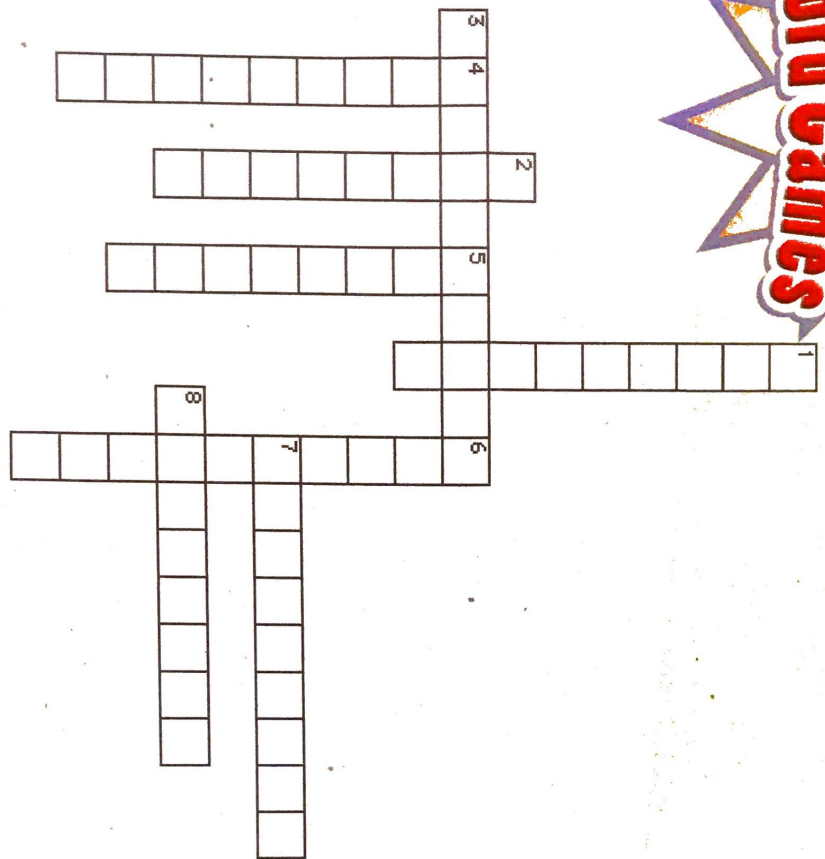
11 Which stinging animal living in a coral reef is dangerous to predators but does not harm the clown fish?

- Ⓐ jellyfish
- Ⓑ stingray
- Ⓒ sea anemone
- Ⓓ starfish

12 Which is the world's largest ecosystem?

- Ⓕ desert
- Ⓖ rain forest
- Ⓗ ocean
- Ⓙ tundra

# Vocabulary and Word Games



## Across

3. an organism that breaks down other living things when they die
7. the order in which living things consume each other for food
8. a living thing that makes its own food (in a food chain)

## Down

1. someone who studies ecosystems and the things living in them
2. a living thing that eats, but doesn't make, its own food
4. a community of living things and nonliving things sharing the same environment
5. a living thing that hunts and eats other living things
6. one example of a very complex land ecosystem, full of thousands of kinds of living things

## Mini-Lab Experiment with the Food Web

Most ecosystems have food webs. Food webs demonstrate how one population can be a part of several food chains. If one part of the web is broken, several populations are

SNAKE

HAWK

MOUNTAIN LION