

PRODUCERS, CONSUMERS AND DECOMPOSERS

OBJECTIVES:

- 1. Students will learn the concepts of producers, consumers, decomposers and food web.
- 2. Students will show that they understand the concepts by completing the following worksheet.

MATERIALS:

- 1. Producers, Consumers and Decomposers student worksheet
- 2. Diagram of marine food web
- 3. Producers, Consumers and Decomposers teacher answer sheet
- 4. Pencils

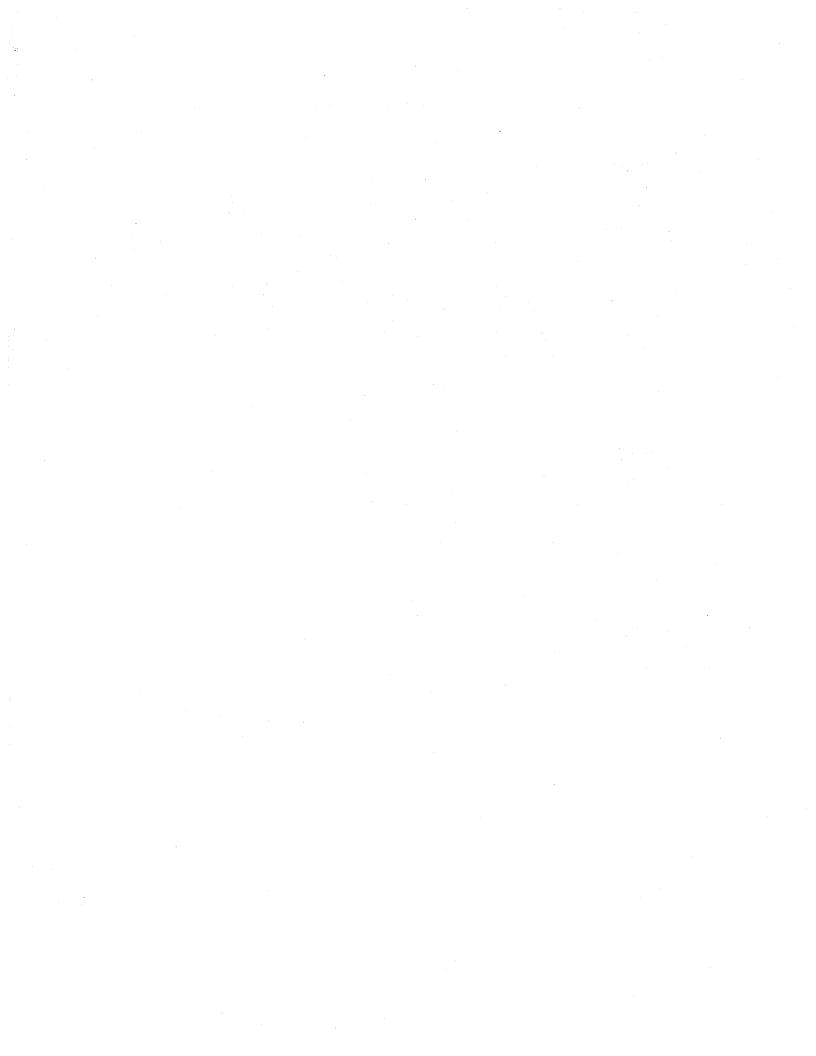
PROCEDURE:

- 1. Introduce or review the concepts and vocabulary for food chains and food webs.
- 2. Pass out the sheets for students to complete.
- 3. Discuss the answers.

Connections to the Massachusetts Curriculum Frameworks in Science and Technology/Engineering (May 2001)

Grades 3 - 5

Strand	Learning Standard		
Life Science	11. Describe how energy derived from the sun is used by plants to produce sugars (photosynthesis) and is transferred within a food chain from producers (plants) to consumers to decomposers.		
Physical Science	Give examples of how energy can be transferred from one form to another.		





PRODUCERS, CONSUMERS AND DECOMPOSERS

Date:

Name:	Date:					
1. In each of the following lists, one organism does not belong because it eats differ types of food than the other organisms in the list. Cross off the organisms that does belong and then label the list as producers, herbivores, carnivores, omnivores, or decomposers.						
List A. Countinous	List B: Producer					
List A: Carnivore	List B. Flouter					
Green crab Minnow Sea bass Algae Herring gull	phytoplankton seaweed marsh grass ribbed mussel eel grass					
List C: Herbivore	List D: Decomposer					
Zooplankton Canada goose Periwinkle Grass shrimp	beach fleas phytoplankton bacteria					
Phytoplankton						
2. A producer is						
3. A consumer						
4. A decomposer is.						



5. Using some of the organisms from questions 1, create a food web on the back of this paper.



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Teacher Answer Sheet

1. In each of the following lists, one organism does not belong because it eats different types of food than the other organisms in the list. Cross off the organisms that does not belong and then label the list as producers, herbivores, carnivores, omnivores, or decomposers.

List A: Carnivore

Green crab
Minnow
Sea bass
Algae
Herring gull

List B: Producer

phytoplankton seaweed marsh grass <u>ribbed mussel</u> eel grass

List C: Herbivore

Zooplankton
Canada goose
Periwinkle
Grass shrimp
Phytoplankton

List D: Decomposer

beach fleas

__phytoplankton__
bacteria

- 2. A producer is an organism which produces its own food through photosynthesis.
- 3. A consumer is an organism which does not make its own food but must get its energy from eating a plant or animal.
- 4. A decomposer is an organism which digests or breaks down dead plants and animals.
- 5. Using some of the organisms from questions 1, create a food web on the back of this paper.

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