Food Webs and Energy Flow

Grade 5 Science Worksheet

Name _____ Date _____

Circle the answer.

READ THIS FIRST

A Kelp forest Food Web

Kelp grows tall in the cold, sunny ocean water. Sea urchins and sea snails eat the kelp. A sea otter eats the sea urchins, and a crab eats the sea snails. When living things in the kelp forest die, bacteria break them down.

1. Which organism is the producer?
   sea otter sea urchin crab kelp

2. What does the sea otter eat?
   kelp crabs sea urchins sea snails

3. Which organism is a decomposer?
   sea otters sea urchins kelp bacteria

4. Which organism eats the sea snails?
   crab sea otter sea urchin kelp

5. Where does the energy in the kelp forest food web come from first?
   the soil the air the Sun the water

6. Which food chain shows how the energy moves?
   sea otter → sea urchin → kelp
   kelp → sea urchin → sea otter
   sea urchin → kelp → sea otter

7. What would most likely happen if all the sea urchins disappeared?
   the sea otters would have less to eat
   the bacteria would take over the kelp forest
   the kelp would stop growing
   the crabs would starve at once

8. What do bacteria do in the kelp forest?
   break down dead plants and animals
   make food from sunlight
   hunt the smaller animals
   eat only living plants

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Answer Key - Grade 5 Science Worksheet

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