Food Webs and Energy Flow

Grade 5 Science Worksheet - Building Confidence

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?
   crab sea urchin kelp sea otter

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

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

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

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

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

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

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

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Answer Key - Grade 5 Science Worksheet - Building Confidence

Circle the answer.

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