Food Webs and Energy Flow

Grade 5 Science Worksheet - Challenge Me

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?
   kelp sea urchin sea otter crab

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

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

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

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

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

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

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

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Answer Key - Grade 5 Science Worksheet - Challenge Me

Circle the answer.

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