Food Chains and Ecosystems

Grade 3 Science Worksheet - Challenge Me

Name _____ Date _____

Circle the answer.

1. Deer eat young trees. Wolves eat deer. Wolves return to a forest after many years. What happens to the young trees?
   the young trees stop growing
   fewer young trees grow, because wolves eat trees
   nothing changes for the trees
   more young trees grow, because there are fewer deer

2. Sea otters eat sea urchins, and sea urchins eat kelp. If the sea otters disappear, what happens to the kelp forest?
   it stays the same, because kelp makes its own food
   it grows, because otters no longer eat kelp
   it grows, because the urchins leave
   it shrinks, because more urchins eat the kelp

3. A long drought dries up a small pond until no water is left. What will most likely happen to the fish that lived in it?
   they grow larger, because there is less water
   they swim away to find a bigger pond
   they move to the grass and eat seeds
   they die, because their water habitat is gone

4. In a pond, ducks and fish both eat insects. If the ducks increase, what might happen to the fish?
   they will start eating the ducks
   they may have fewer insects to eat
   they will have more insects to eat
   they will make their own food

5. Which habitat change would help a population of bees survive?
   paving a meadow into a parking lot
   planting more flowers in the area
   cutting down the flowering trees
   spraying the field for insects

6. A hawk eats a snake that ate a mouse that ate seeds. In this food chain, which living thing is third?
   hawk seeds mouse snake

7. In grass → grasshopper → frog → hawk, if the frogs disappear, what happens to the grasshoppers at first?
   they stay the same, because they eat grass
   they increase, because fewer frogs eat them
   they decrease, because they have less grass
   they decrease, because hawks eat them instead

8. In grass → grasshopper → frog → hawk, what happens to the grass if the grasshoppers increase a lot?
   - it increases, because hawks protect it
   - it decreases, because more of it gets eaten
   - it increases, because frogs eat less
   - it stays the same, because grass makes its own food

9. In a meadow, rabbits and mice both eat grass and seeds. Hawks eat rabbits and mice. If the rabbits leave, why might the hawks still survive?
   - the hawks can still eat mice
   - the mice will make food for hawks
   - the hawks can start eating grass
   - the hawks need no food for a while

10. A wetland is drained to build houses. Which animal would most likely not survive there anymore?
   - a squirrel that lives in trees
   - a frog that lays eggs in water
   - a pigeon that nests on roofs
   - an ant that lives in soil

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Answer Key - Grade 3 Science Worksheet - Challenge Me

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