Food Chains and Ecosystems

Grade 3 Science Worksheet - Challenge Me

Name _____ Date _____

Circle the answer.

1. 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 die, because their water habitat is gone

   they grow larger, because there is less water

   they swim away to find a bigger pond

   they move to the grass and eat seeds

2. 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

3. Which habitat change would help a population of bees survive?

   paving a meadow into a parking lot

   spraying the field for insects

   cutting down the flowering trees

   planting more flowers in the area

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

   snake seeds mouse hawk

5. In grass → grasshopper → frog → hawk, if the frogs disappear, what happens to the grasshoppers at first?

   they decrease, because they have less grass

   they decrease, because hawks eat them instead

   they stay the same, because they eat grass

   they increase, because fewer frogs eat them

6. In grass → grasshopper → frog → hawk, what happens to the grass if the grasshoppers increase a lot?

- it decreases, because more of it gets eaten
- it increases, because hawks protect it
- it increases, because frogs eat less
- it stays the same, because grass makes its own food

7. 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 mice will make food for hawks
- the hawks can still eat mice
- the hawks need no food for a while
- the hawks can start eating grass

8. A wetland is drained to build houses. Which animal would most likely not survive there anymore?

- an ant that lives in soil
- a frog that lays eggs in water
- a pigeon that nests on roofs
- a squirrel that lives in trees

9. Which food chain shows energy moving through four living things in the right order?

- heron → big fish → small fish → algae
- algae → big fish → small fish → heron
- algae → small fish → big fish → heron
- small fish → algae → big fish → heron

10. A farmer sprays a field and most insects die. Birds in the field eat insects. What will most likely happen to the birds?

- the birds will make their own food
- fewer birds can live there
- more birds will move there
- the number of birds will not change

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Answer Key - Grade 3 Science Worksheet - Challenge Me

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