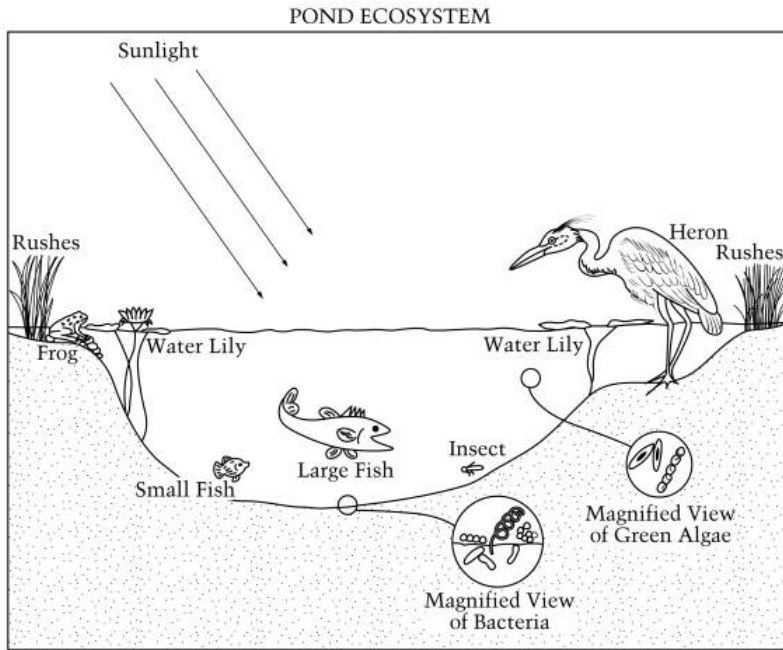


Additional Information [1]

Questions 1-13 The picture below shows a pond ecosystem. Use this picture and what you know about the things in it to answer the questions in this section.



Question 1 refers to Additional Information [1]

1. Each of the animals in the pond needs food. What are two things that the animals get from their food that keep them alive?

Scoring Guide

Score & Description

Complete

Student demonstrates an understanding that living things require energy and raw materials to sustain them by naming two things animals need from their food. Response consists of one of the following:

- a. Response states that animals get both energy and nutrients.
- b. Response states that animals get energy and names one specific nutrient.
- c. Response names two specific nutrients.

Examples of specific nutrients include proteins, carbohydrates, lipids, vitamins, and minerals.

Partial

Student response names one thing animals need from their food. Response consists of one of the following:

- a. Response states that animals get energy.
- b. Response states that animals get nutrients and names one specific nutrient.
- c. Response names one specific nutrient.

Unsatisfactory/Incorrect

Student response provides no reasonable answer about what animals get from their food. Response may state that animals get nutrients from their food without naming a specific nutrient, or may give examples of different types of food the animals eat.

Complete - Student Response

Each of the animals in the pond needs food. What are two things that the animals get from their food that keep them alive?

They get energy and nourishment
to keep them alive.

Scorer Comments:

Student response provides two things that animals need from their food: energy and nourishment.

Each of the animals in the pond needs food. What are two things that the animals get from their food that keep them alive?

They get vitamins and minerals

Scorer Comments:

Student response provides two specific nutrients that animals need from their food.

Partial - Student Response

Each of the animals in the pond needs food. What are two things that the animals get from their food that keep them alive?

The animals get protein
from their food and they
also get nutrients from their
food.

Scorer Comments:

Student response provides one thing - nutrients - that animals need from their food, and names a specific nutrient.

Each of the animals in the pond needs food. What are two things that the animals get from their food that keep them alive?

They get food by eating plants, algae,
bacteria, and insects. They eat these,
and in turn get energy to survive.

Scorer Comments:

Student response provides one thing animals need from their food: energy

Unsatisfactory/Incorrect - Student Response

Each of the animals in the pond needs food. What are two things that the animals get from their food that keep them alive?

Green algae and Bacteria

Scorer Comments:

Student response names some types of food animals may eat, but does not state what they get from such foods.

Each of the animals in the pond needs food. What are two things that the animals get from their food that keep them alive?

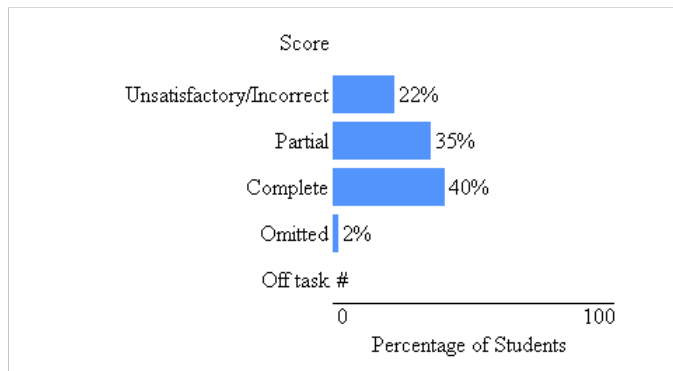
*The animals get to stay alive
and sometimes they will get
their vegetables from it.*

Scorer Comments:

Student response names a type of food animals may eat, but does not state what they get from such food.

NAEP national performance results in Science at grade 8: 2000

What animals get from food



Rounds to zero.

NOTE: These results are for public and nonpublic school students. Percentages may not add to 100 due to rounding.

SOURCE: U.S. Department of Education, Institute of Education Sciences, National Center for Education Statistics, National Assessment of Educational Progress (NAEP), 2000 Science Assessment.