

# The Pond: Community Ecology in Action

## The Limnetic Zone

### Comprehension Questions

Watch the video carefully, and complete the comprehension questions and activities.

1. Which of the following is a characteristic of the limnetic zone?
  - a) Deeper open water
  - b) Poor sunlight
  - c) Reeds and rushes
  - d) Shallower water
2. The upper region of the limnetic zone is called the \_\_\_\_\_ zone, and the lower region is called the \_\_\_\_\_ zone.
3. Explain why rooted plants are generally not found at the bottom of the limnetic zone.

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4. What property of water allows some insects to “walk on water”?
5. Describe another way in which animals might move around a pond, other than “walking on water.”

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6. \_\_\_\_\_ provide the food and oxygen upon which all other \_\_\_\_\_ in the limnetic zone depend.

7. Animals are highly efficient at converting food to useful energy.

True                  False

8. If a snail consumes 10 units of energy, how many units will be converted to useful energy?
    - a) 1
    - b) 9
    - c) 10
    - d) 100
  9. As a food chain becomes longer, is more or less of the original energy available to higher-order consumers?
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10. What is an important impact of the way energy is transferred, in relation to food chains?
    - a) It limits the number of different organisms in a food web.
    - b) It limits the length of food chains.
    - c) It limits the number of food chains in a food web.
    - d) It limits the number of food chains in an ecosystem.