

Chapter 3 Section 3 (GREEN ENVIRONMENTAL SCIENCE BOOK)

Section 3: Freshwater Ecosystems (pages 64-67)

STREAM AND RIVER ECOSYSTEMS (page 64)

1. Name two places that water in rivers may come from.

2. A stream joining a larger stream is a(n) _____.
3. What is one important abiotic factor in freshwater ecosystems?

POND AND LAKE ECOSYSTEMS (page 65)

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|-------|----|------------------------------------------------------------------------------------|--------------------|
| _____ | 4. | Zone that goes as deep as sunlight can reach; home to many photosynthetic plankton | a. deep-water zone |
| _____ | 5. | Zone where not sunlight reaches; organisms feed on dead organisms from above | b. open-water zone |
| _____ | 6. | Zone closest to the edge of a lake or pond; sunlight reaches the bottom | c. littoral zone |
7. What enables algae and plants to grow in the littoral zone?

WETLAND ECOSYSTEMS (page 66)

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|-------|-----|--------------------------------------------------------------|------------|
| _____ | 8. | A wetland ecosystem with trees and vines | a. wetland |
| _____ | 9. | An area of land sometimes underwater or with very moist soil | b. marsh |
| _____ | 10. | A wetland ecosystem that has no trees but has other plants | c. swamp |
11. Name three reasons wetland are valuable.

12. Where are freshwater marshes often found?

13. Where are swamps found?

FROM LAKE TO A FOREST (page 67)

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|-------|-----|----------------------------------------------------------|------------------------------------------|
| _____ | 14. | How does a lake start to become a forest? | |
| | | a. Plants grow closer to the center of the lake. | c. The lake becomes a swamp. |
| | | b. Sediment and leaves settle at the bottom of the lake. | d. Fishes die off due to lack of oxygen. |

Study Notes for Chapter 3 Section 3: Freshwater Ecosystems (Green Environmental Science Book)

- 1. A major _____ factor that affects freshwater ecosystem is speed of water because animals must _____ so they are not washed away.**
- 2. Many plants can grow in the littoral zone of a lake because _____ reaches its bottom.**
- 3. _____ are ecosystems that play an important role in flood control.**
- 4. _____ help replenish underground water supplies because water moves deeper in the ground.**
- 5. A _____ is an area near the shore of a pond with many grasses and no trees.**
- 6. A _____ is an area with wet soil, standing water, with willows and orchids.**
- 7. A _____ may become a forest when it fills with _____ over time.**