

Name:

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Chapter 31 - Biology - Guided Reading

Section 31:1 p. 654-5

1. How do communities differ from ecosystems?

2. What is the name of the closed laboratory and where is it located?

3. List 5 living parts of the environment.

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4. List 5 non-living parts of the environment.

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5. Where does soil come from?

6. What are 3 jobs of soil?

1.

2.

3.

7. What are nitrates?

8. Why do plants and animals need nitrogen?

9. What helps plants change nitrogen in the air to a form that plants can use?

10. Name two organisms that are decomposers.  
\_\_\_\_\_ and \_\_\_\_\_

pages 656-657

11. What is the reusing of nitrogen called?

12. Name the non-living parts of the nitrogen cycle.

13. Name the living parts of the nitrogen cycle.

14. What non-living part of the ecosystem is needed by all living things? \_\_\_\_\_

15. What are the cells of all living things mostly made up of? \_\_\_\_\_

16. What does evaporate mean?

p. 658

17. Name 3 gases that make up air.  
\_\_\_\_\_

18. What two processes can't take place without these gases? \_\_\_\_\_ and \_\_\_\_\_

19. What gas is given off by producers (plants) during photosynthesis? \_\_\_\_\_

What is this gas needed for?

20. What gas is given off during respiration? \_\_\_\_\_

What is this gas needed for?

21. Name 3 organisms that use carbon dioxide in the water.

Section 31: 2  
p. 660 - 661 - 662

22. What is the difference in temperature between forests with tall trees and those with short trees?

23. What do decaying leaves do to the soil?

24. What is succession?

25. What is a climax community?

26. Read about succession in a water community. What happens to a pond over a period of 100 years?

Section 31:3 p. 663-64-65

27. What are 3 important factors that determine which organisms can live in a place?

Are these living or non-living?

28. What are 2 non-living parts of an ecosystem that are not cycled?

29. What is precipitation?

30. What is climate?

31. What is a biome?

32. Name the 7 biomes and list the plants and animals you would find in each. (p.665)

Plants

Biome

Animals

1.

2.

3.

4.

5.

6.

7.

page 666 Water Ecosystems:

33. What are water systems divided into? What makes up each one?

A. \_\_\_\_\_ ex: \_\_\_\_\_

B. \_\_\_\_\_ ex: \_\_\_\_\_

34. What is the earth's largest ecosystem?

35. What are the 5 divisions of the largest ecosystem?

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