

**BOOK CHAPTER 4**

1. Look over your Chapter 4 Quiz. I will be reusing some of the quiz questions, but I will change the order of the distractors.

2. The simplest form of matter is an \_\_\_\_\_.

3. The most abundant atoms in living organisms are:

a. \_\_\_\_\_

b. \_\_\_\_\_

c. \_\_\_\_\_

4. What is a molecule?

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

5. What is a chemical reaction?

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

6. What is an atom?

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

7. Why is water considered a compound?

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

8. Water + Carbon Dioxide + Energy → Glucose + Oxygen

a. Is glucose a reactant or a product? \_\_\_\_\_

b. Is carbon dioxide a reactant or a product? \_\_\_\_\_

c. What chemical reaction is this? \_\_\_\_\_

9. Why is water not considered an element?

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

10. Most of the compounds that make up life contain the element \_\_\_\_\_.

11. What is a carbohydrate?

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

12. What is an ecosystem?

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

13. What is the biosphere?

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14. Where does most life on earth get its energy? \_\_\_\_\_

**LAB 4A - Carbon Dioxide and Living Things**

15. In lab 4A, how did we prove that plants do photosynthesis?

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16. In lab 4A, how did we prove that plants do cellular respiration?

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**LAB 4B - Variables and Growth**

17. What is an experimental variable?

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18. In lab 4B, what was your group's experimental variable?

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19. What is a control variable?

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20. In lab 4B, what was your group's control variable?

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**BOOK CHAPTER 5**

21. Look over your Chapter 5 Quiz. I will be reusing some of the quiz questions, but I will change the order of the distractors.

22. What is an ecosystem?

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23. What is photosynthesis? Include the 3 reactants and 2 products.

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24. What is a producer?

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25. Describe the following consumers:

a. Herbivore - \_\_\_\_\_

b. Carnivore - \_\_\_\_\_

c. Omnivore - \_\_\_\_\_

26. What is a decomposer?

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27. What is the difference between a food web and a food chain?

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28. What is an energy pyramid? Why does it get smaller and smaller at the top?

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29. What are predators? What are prey?

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30. What is symbiosis? Give an example.

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### **Lab 5A - Food Webs**

31. Describe how we made a food web in lab 5A.

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32. What happened when one species in the community was removed (dropped their strings)?

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### **BOOK CHAPTER 6 and Lab 6A - Biome Presentation**

33. What is climate?

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34. What is biodiversity?

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35. What is a biome?

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36. Describe each biome.

a. Desert \_\_\_\_\_

b. Grasslands \_\_\_\_\_

c. Temperate forests \_\_\_\_\_

d. Tropical rainforests \_\_\_\_\_

e. Taiga \_\_\_\_\_

f. Tundra \_\_\_\_\_

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