

Photosynthesis & Cell Resp Practice Test Qs ANSWERS

1. 2
2. 2
3. 4
4. 4
5. 2
6. 3
7. 4
8. 4
9. 3
10. 1 – Not going to be covered
11. 2
12. 2
13. 3
14. 2
15. 2
16. 1
17. 2
18. Plants are capable of making their own food from materials in the environment whereas animals must ingest/eat food.
19. Photosynthesis incorporates inorganic carbon (from CO₂) from the environment into organic carbon (glucose) which can be found in living things.
20. Skip this question
21. a: source for photosynthesis = sun source for respiration = glucose
b: photosynthesis ends up in glucose respiration ends up in ATP
22. respiration – releases energy stored in food/converts chemical energy from food to a usable form of chemical energy (ATP) photosynthesis – makes food/converts solar energy to chemical energy
23. photosynthesis
24. increase in O₂, decrease in CO₂
25. greater increase in O₂, greater decrease in CO₂
26. See first page of Elodea lab
27. photosynthesis allows organism to make its own food. Respiration allows the energy in glucose to be used to make ATP
28. 3
29. 2 – not going to be covered
30. photosynthesis Glucose (C₆H₁₂O₆) & water (H₂O)