Name Period Date

Photosynthesis and Cell Respiration Study Guide

1. Define photosynthesis.
2. Write the chemical equation for photosynthesis.
3. What are the ingredients for photosynthesis?
4. What is made by photosynthesis?
5. In which cell organelle does photosynthesis take place?
6. What is chlorophyll and why is it needed?
7. Does photosynthesis happen in human cells?
8. Define autotroph.
9. Define heterotroph.
10. Does an autotroph do photosynthesis?
11. Does a heterotroph do photosynthesis?
12. Why is photosynthesis so important for humans?
13. Define cell respiration.
14. Write the chemical equation for cell respiration.
15. What are the ingredients for cell respiration?
16. What is made by cell respiration?
17. In which cell organelle does cell respiration take place?
18. Does cell respiration happen in plant cells?
19. Do autotrophs do cell respiration?
20. Do heterotrophs do cell respiration?
21. What is the most important product (product means something that is made) of cell respiration? Why is this the most important?