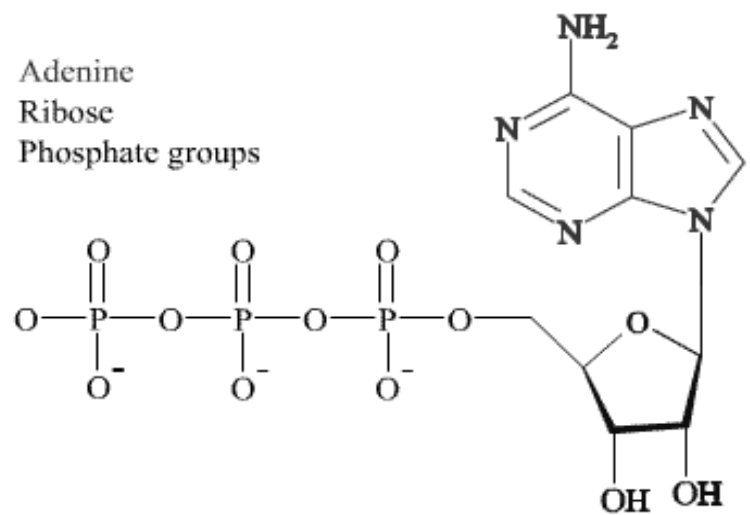


Cell Energy Extended Quiz Review Guide

Complete all questions (except for the diagrams) on the separate sheet of paper.

Use your notes or textbook to find all the answers.

1. What is energy?
2. What is an autotroph? Give an example of one.
3. What is a heterotroph? Give an example of one.
4. What does "ATP" stand for?
5. What is ATP used for in all living things?
6. What are the three parts of an ATP molecule? Label the parts in the diagram below.



7. How is energy released from ATP?
8. What is ADP? How is this different from ATP?
9. How plants get their energy?
10. Write out the full equation for photosynthesis. Label the parts of the equation so I know you know what the chemicals are.
11. What is the main pigment found in plants?
12. What colors do that pigment absorb? What color is reflected?
13. What are the three parts of a chloroplast? Label them in the diagram below.
14. How do non-plants get their energy from food?
15. What does the term "aerobic" mean?
16. Write out the full equation for cellular respiration. Label the parts of the equation, so I know you know what the chemicals are.
17. In what cell part does cell respiration take place?
18. What are the three steps of cell respiration?
19. What happens in the first step?
20. What happens in the second step?
21. What happens in the final step?

