

# Metabolism Crossword

Name: \_\_\_\_\_

Period: \_\_\_\_\_

Use your brain to fill out the crossword, then use Chapter 5, Section 1 of the book to check the answers. Write your answers in the clues below and on the puzzle on the next page.

## Across

- \_\_\_\_\_ 2. when energy is released in the cell, it allows the cell to \_\_\_\_\_ new cells
- \_\_\_\_\_ 4. what animals eat to get energy
- \_\_\_\_\_ 6. sugar that is broken down during cellular respiration
- \_\_\_\_\_ 7. gas created when glucose splits
- \_\_\_\_\_ 11. parts of the plant that take in carbon dioxide from the air
- \_\_\_\_\_ 12. catabolic reactions \_\_\_\_\_ energy
- \_\_\_\_\_ 17. part of a chloroplast that captures sunlight
- \_\_\_\_\_ 19. when energy is released in the cell, it keeps the cell \_\_\_\_\_
- \_\_\_\_\_ 20. liquid created when glucose splits
- \_\_\_\_\_ 21. energy created when glucose splits
- \_\_\_\_\_ 22. anabolic reactions \_\_\_\_\_ energy

## Down

- \_\_\_\_\_ 1. organelle used in cellular respiration that splits glucose
- \_\_\_\_\_ 3. type of reaction that builds complex molecules from simpler ones
- \_\_\_\_\_ 5. this strong tissue grows because of anabolic reactions
- \_\_\_\_\_ 8. this hard tissue grows because of anabolic reactions
- \_\_\_\_\_ 9. what cells need to grow and function
- \_\_\_\_\_ 10. a series of chemical reactions that process food
- \_\_\_\_\_ 13. glucose is the main source of food for the body's \_\_\_\_\_
- \_\_\_\_\_ 14. parts of the plant that take up water from the soil
- \_\_\_\_\_ 15. type of organism that does not need to eat food for its energy
- \_\_\_\_\_ 16. cell organelle used to turn sunlight into food
- \_\_\_\_\_ 17. type of reaction that breaks down complex molecules of food into simpler ones
- \_\_\_\_\_ 18. gas released as a byproduct of photosynthesis



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A crossword puzzle grid with 22 numbered starting points. The grid consists of white squares for letters and black squares for empty space. The numbers are: 1 (vertical, top), 2 (horizontal, middle), 3 (vertical, right), 4 (horizontal, middle), 5 (vertical, middle), 6 (horizontal, middle), 7 (horizontal, middle), 8 (horizontal, middle), 9 (horizontal, middle), 10 (horizontal, middle), 11 (horizontal, middle), 12 (horizontal, middle), 13 (vertical, middle), 14 (horizontal, middle), 15 (horizontal, middle), 16 (horizontal, middle), 17 (horizontal, middle), 18 (horizontal, middle), 19 (horizontal, middle), 20 (horizontal, middle), 21 (horizontal, middle), and 22 (horizontal, bottom).

# Metabolism Crossword

Name:

Period:

## *extra nifty word bank*

anabolic

ATP

bone

carbon dioxide

catabolic

cells

chlorophyll

chloroplast

energy

food

glucose

grow

healthy

leaves

metabolism

mitochondria

muscle

oxygen

plant

release

roots

use

water