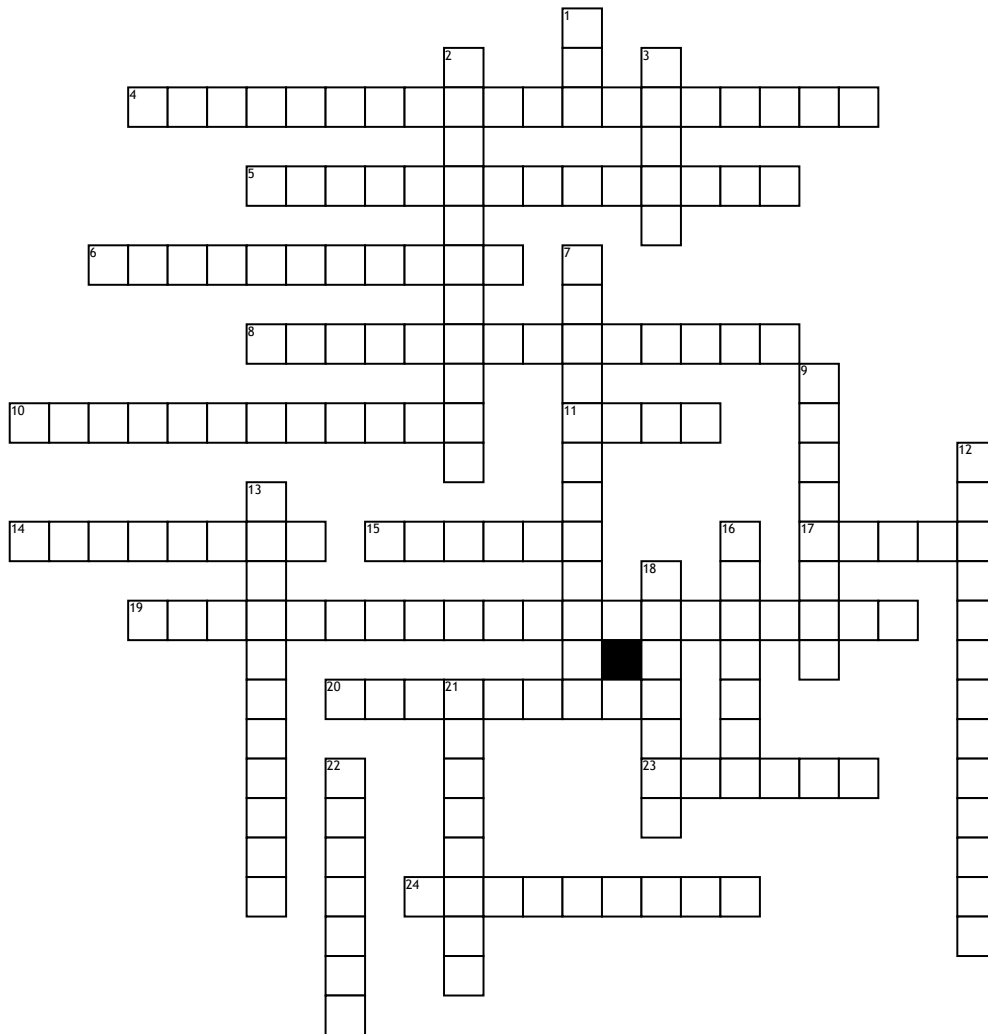


Name: _____

Date: _____

Cells, Levels of Organization, Photosynthesis & Cellular Respiration



Across

4. The process of oxidizing food molecules, like glucose, to carbon dioxide and water.
 5. In the cell, it's the processing factory.
 6. The place where photosynthesis occurs in the cell. It uses light to make energy from water and carbon dioxide.
 8. The process by which green plants use sunlight to synthesize foods from carbon dioxide and water.
 10. Flexible covering that surrounds a cell.
 11. The smallest unit of life.
 14. One of the 3 main things needed for photosynthesis (a form of energy from above).
 15. One of the products of photosynthesis (something we breathe in).

17. One of the 3 main things needed for photosynthesis. It is absorbed from the roots of plants.
 19. Highly folded membrane connected to the nucleus' membrane.
 20. In the cell: thick fluid made mostly of water.
 23. What is formed when similar types of cells group together?
 24. In the cell, proteins are built inside these.

Down

1. A type of energy made during cellular respiration.
 2. What is formed when different organs work together?

3. What is formed when different types of tissues work together?

7. In the cell, transforms unusable energy from food into usable energy.

9. Shapes and supports plant cells only.

12. One of the products of cellular respiration (something we breathe out).

13. A green pigment present in all green plants, responsible for the absorption of light to provide energy for photosynthesis.

16. The control center for the cell.

18. Pores in the leaves or stem of plants.

21. What is formed when all the organ systems work together?

22. One of the products of photosynthesis, besides oxygen.

Word Bank

sunlight
 nucleus
 organ
 cellular respiration
 water
 cell membrane

tissue
 organ system
 cell wall
 oxygen
 golgi apparatus
 ribosomes

stomata
 photosynthesis
 endoplasmic reticulum
 organism
 chlorophyll
 cell

chloroplast
 cytoplasm
 mitochondria
 carbon dioxide
 ATP
 glucose