

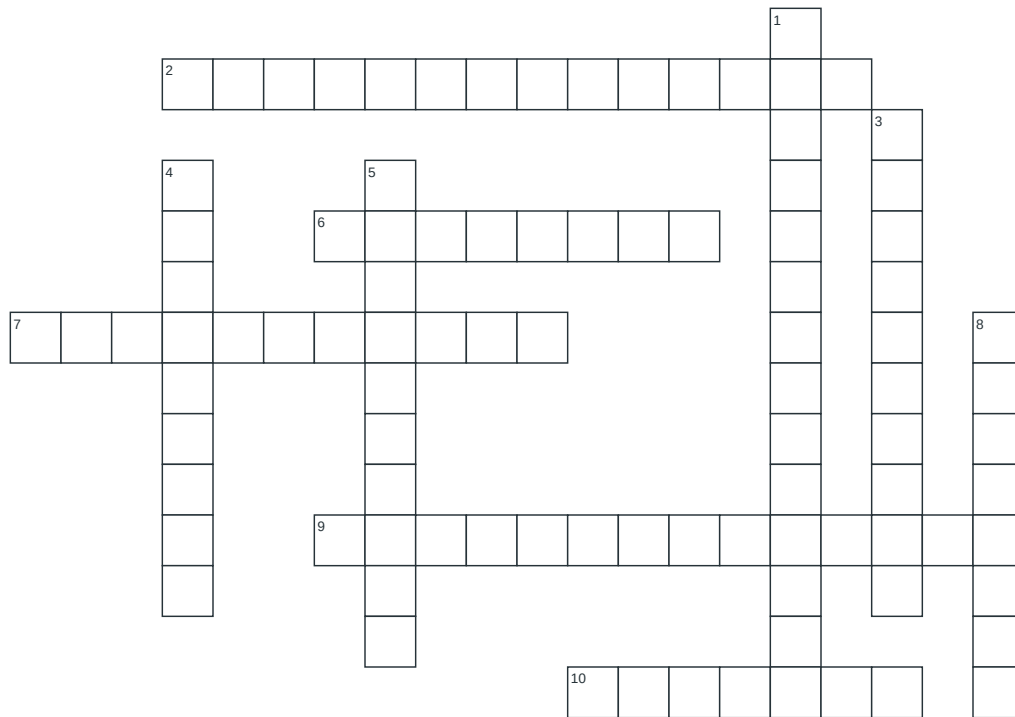
Cell Structure and Function Crossword

Easy | 10 clues | Student Worksheet

Name: _____

Date: _____

Directions: Use the clues to complete the grid. Omit spaces, punctuation, and hyphens.



ACROSS

2. Plant-cell compartment that stores water and helps maintain pressure
6. Rigid outer layer that supports many plant, fungal, and bacterial cells
7. Organelle where photosynthesis occurs in plants and algae
9. Organelle that modifies, sorts, and packages many proteins
10. Membrane-bound organelle that contains most eukaryotic DNA

DOWN

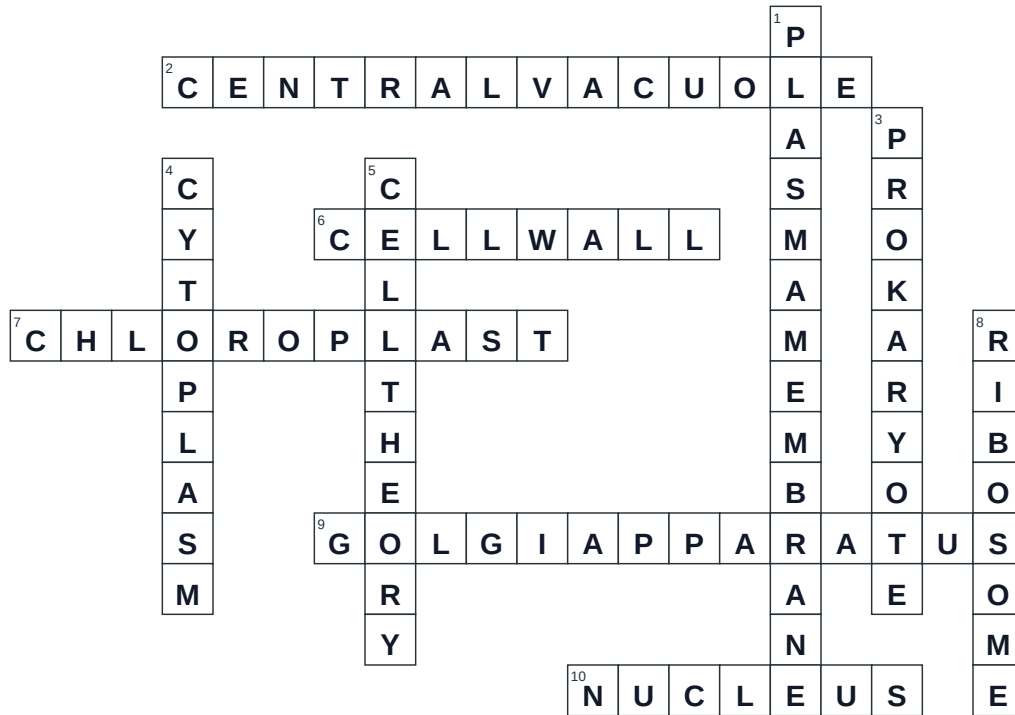
1. Boundary that regulates exchange between a cell and its surroundings
3. A prokaryotic cell lacks a membrane-bound nucleus
4. Cell contents outside the nucleus and inside the plasma membrane
5. Living organisms consist of cells, and cells arise from existing cells
8. Cell structure that assembles proteins

Cell Structure and Function Crossword

Easy | 10 clues | Teacher Answer Key

TEACHER ANSWER KEY

Completed grid and numbered answers. Spaces and punctuation are omitted in the grid.



ACROSS

- 2. Central Vacuole
- 6. Cell Wall
- 7. Chloroplast
- 9. Golgi Apparatus
- 10. Nucleus

DOWN

- 1. Plasma Membrane
- 3. Prokaryote
- 4. Cytoplasm
- 5. Cell Theory
- 8. Ribosome

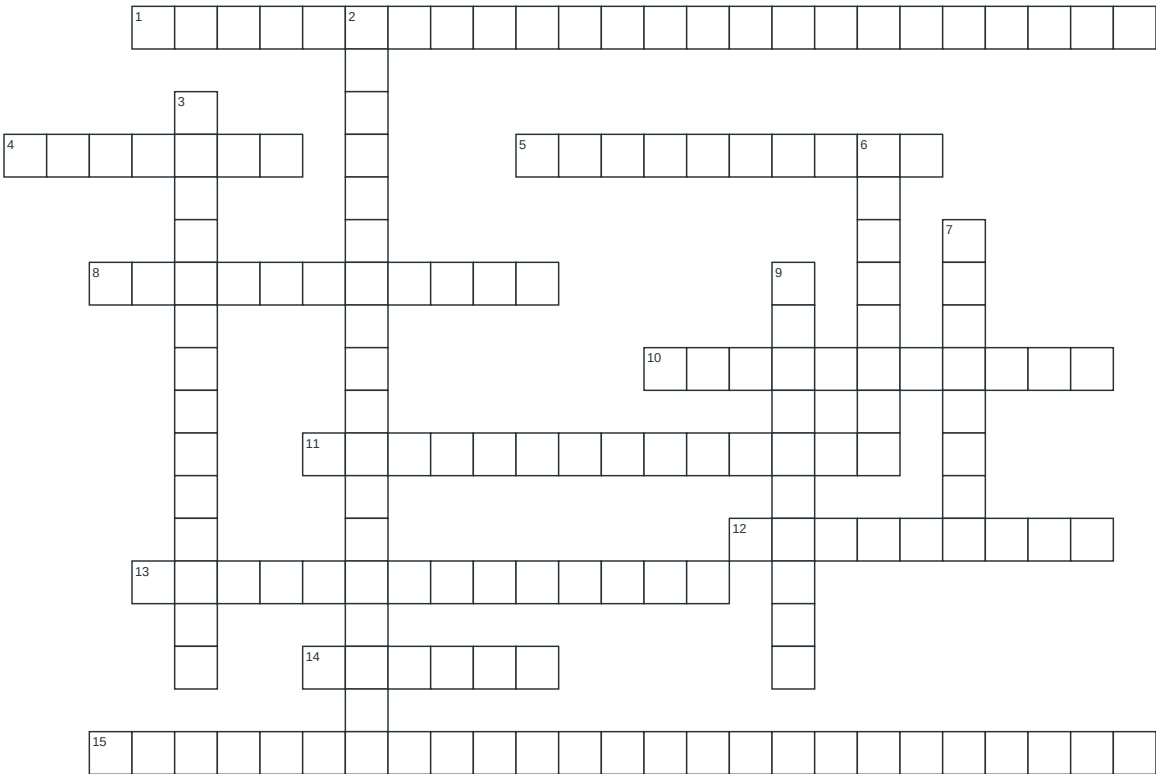
Cell Structure and Function Crossword

Medium | 15 clues | Student Worksheet

Name: _____

Date: _____

Directions: Use the clues to complete the grid. Omit spaces, punctuation, and hyphens.



ACROSS

- 1. Relationship between a cell's exchange surface and its internal volume.
- 4. Membrane-bound organelle that contains most eukaryotic DNA
- 5. Living organisms consist of cells, and cells arise from existing cells
- 8. Measure of the total outer area available for exchange.
- 10. Organelle where photosynthesis occurs in plants and algae
- 11. Boundary that regulates exchange between a cell and its surroundings
- 12. Cell contents outside the nucleus and inside the plasma membrane

ACROSS (continued)

- 13. Organelle that modifies, sorts, and packages many proteins
- 14. Group of similar cells and associated material performing related functions
- 15. Membrane network with attached ribosomes that helps process proteins

DOWN

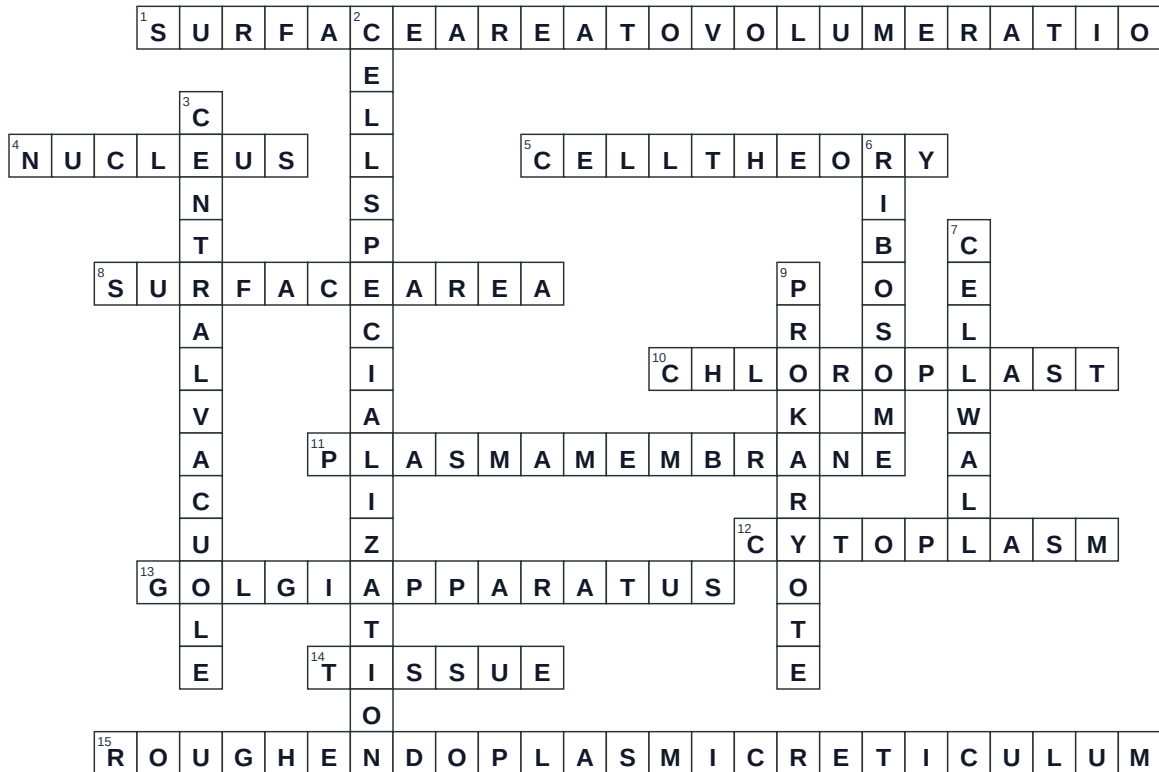
- 2. Process by which cells develop structures suited to particular functions.
- 3. Plant-cell compartment that stores water and helps maintain pressure
- 6. Cell structure that assembles proteins
- 7. Rigid outer layer that supports many plant, fungal, and bacterial cells
- 9. A prokaryotic cell lacks a membrane-bound nucleus

Cell Structure and Function Crossword

Medium | 15 clues | Teacher Answer Key

TEACHER ANSWER KEY

Completed grid and numbered answers. Spaces and punctuation are omitted in the grid.



ACROSS

1. Surface Area-to-Volume Ratio
4. Nucleus
5. Cell Theory
8. Surface Area
10. Chloroplast
11. Plasma Membrane
12. Cytoplasm
13. Golgi Apparatus

ACROSS (continued)

14. Tissue
15. Rough Endoplasmic Reticulum

DOWN

2. Cell Specialization
3. Central Vacuole
6. Ribosome
7. Cell Wall
9. Prokaryote

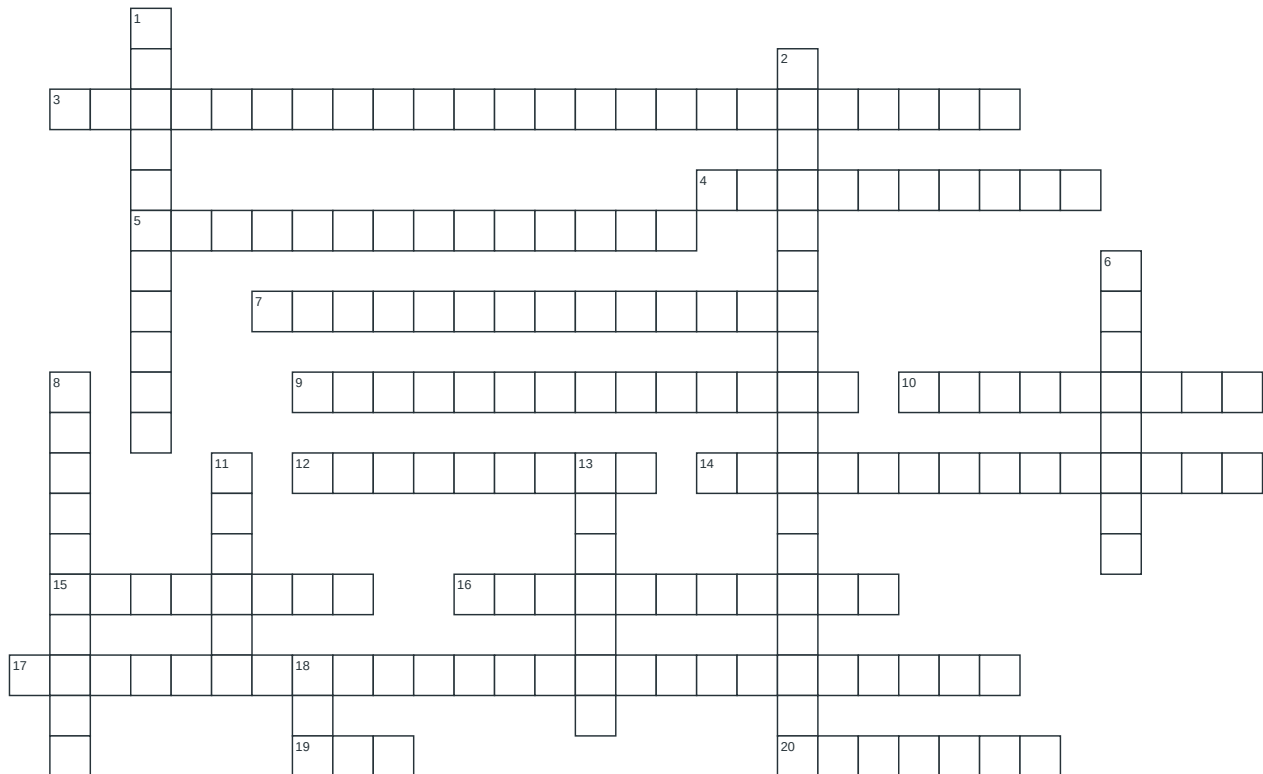
Cell Structure and Function Crossword

Hard | 20 clues | Student Worksheet

Name: _____

Date: _____

Directions: Use the clues to complete the grid. Omit spaces, punctuation, and hyphens.



ACROSS

3. Relationship between a cell's exchange surface and its internal volume.
4. Living organisms consist of cells, and cells arise from existing cells
5. Plant-cell compartment that stores water and helps maintain pressure
7. Boundary that regulates exchange between a cell and its surroundings
9. Process that uses light energy to build sugars from carbon dioxide and water.
10. Cell contents outside the nucleus and inside the plasma membrane
12. Net movement of particles from higher to lower concentration.
14. Organelle that modifies, sorts, and packages many proteins
15. Cell structure that assembles proteins
16. Organelle where photosynthesis occurs in plants and algae

ACROSS (continued)

17. Membrane network with attached ribosomes that helps process proteins
19. Molecule that is a major short-term energy-transfer carrier in cells
20. Membrane-bound organelle that contains most eukaryotic DNA

DOWN

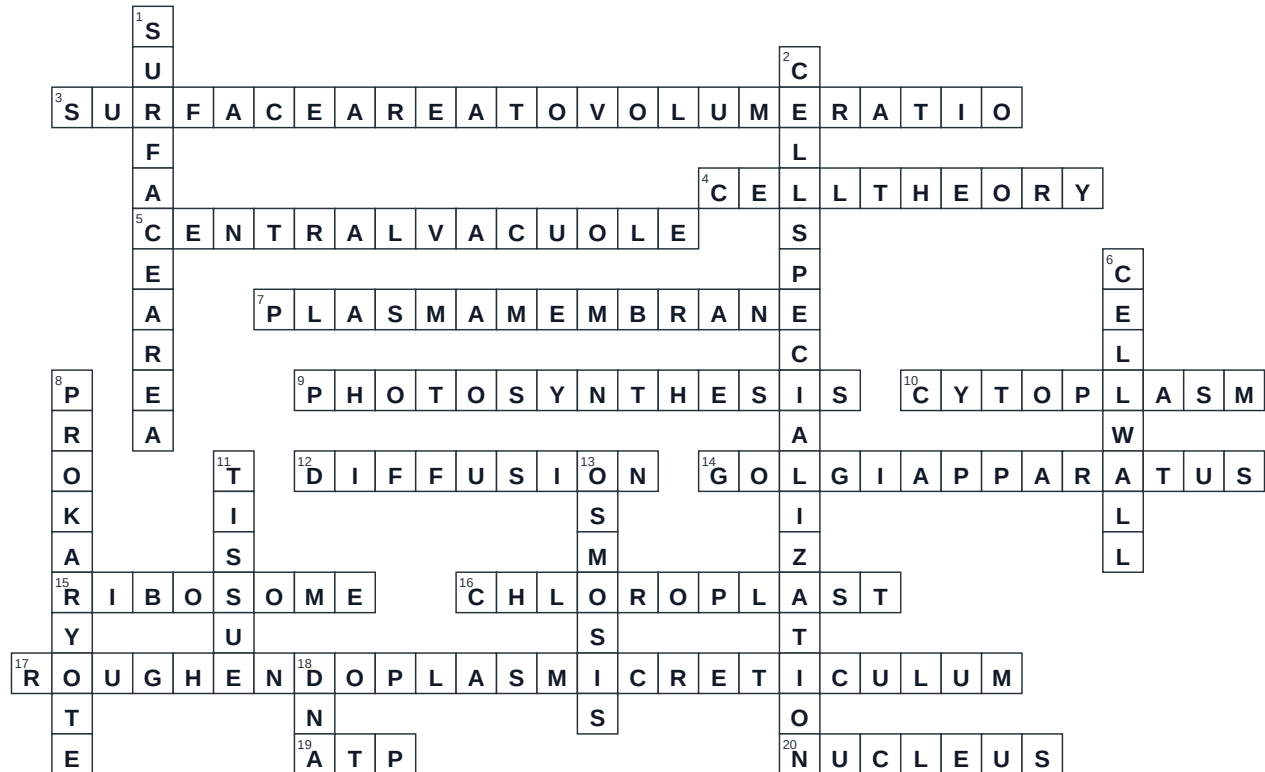
1. Measure of the total outer area available for exchange.
2. Process by which cells develop structures suited to particular functions.
6. Rigid outer layer that supports many plant, fungal, and bacterial cells
8. A prokaryotic cell lacks a membrane-bound nucleus
11. Group of similar cells and associated material performing related functions
13. Net movement of water across a selectively permeable membrane.
18. Molecule that stores hereditary information in most cells

Cell Structure and Function Crossword

Hard | 20 clues | Teacher Answer Key

TEACHER ANSWER KEY

Completed grid and numbered answers. Spaces and punctuation are omitted in the grid.



ACROSS

3. Surface Area-to-Volume Ratio
4. Cell Theory
5. Central Vacuole
7. Plasma Membrane
9. Photosynthesis
10. Cytoplasm
12. Diffusion
14. Golgi Apparatus
15. Ribosome
16. Chloroplast
17. Rough Endoplasmic Reticulum

ACROSS (continued)

19. ATP
20. Nucleus

DOWN

1. Surface Area
2. Cell Specialization
6. Cell Wall
8. Prokaryote
11. Tissue
13. Osmosis
18. DNA