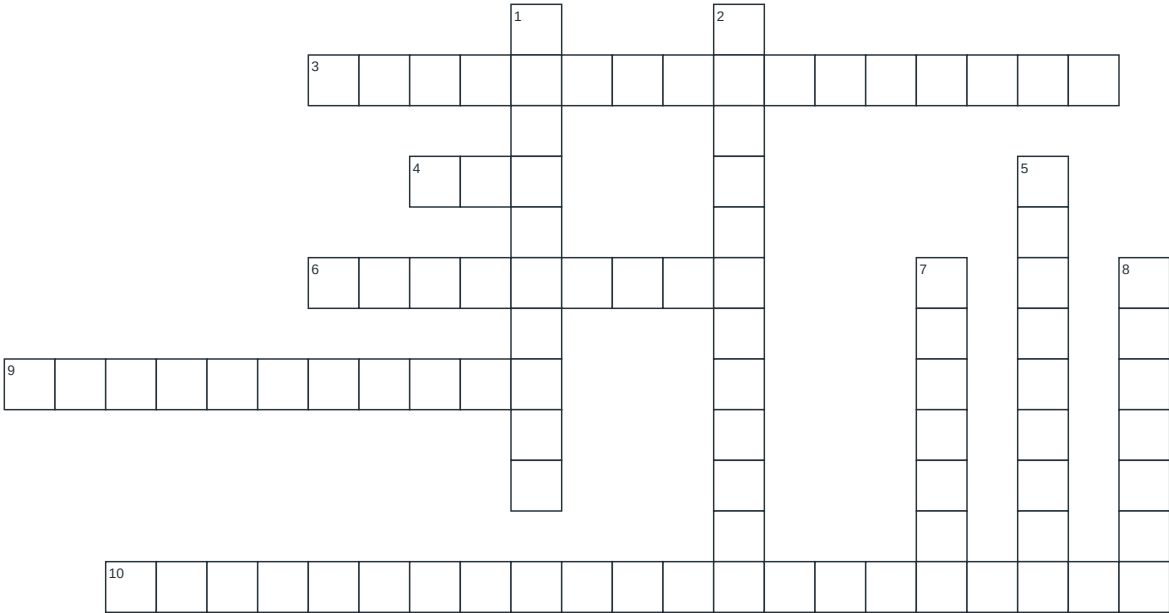


Cell Division: Mitosis and Meiosis Crossword

Easy | 10 clues | Student Worksheet

Name: _____ Date: _____

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



ACROSS

- 3. Identical chromosome copies joined before they separate
- 4. Molecule that stores hereditary information in most cells
- 6. Meiotic stage when homologous chromosomes pair and crossing over can occur
- 9. Division of the cytoplasm into daughter cells
- 10. Chromosome pair with the same genes at corresponding locations

DOWN

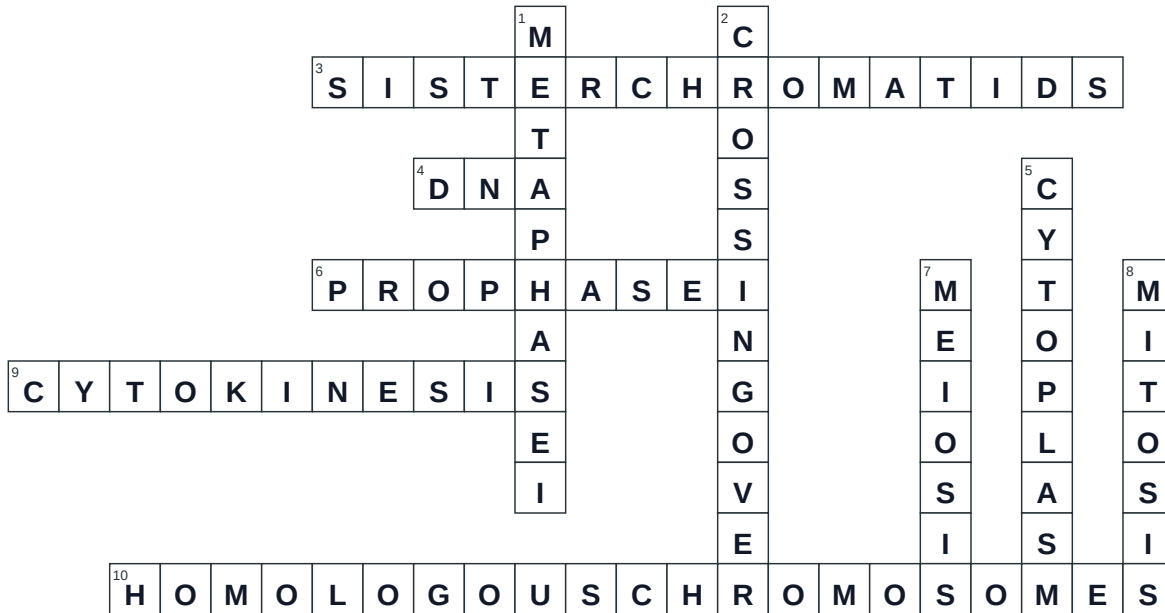
- 1. Meiotic stage when homologous chromosome pairs align at the cell center
- 2. Exchange of DNA between nonsister chromatids of homologous chromosomes
- 5. Cell contents outside the nucleus and inside the plasma membrane.
- 7. Cell division that produces haploid cells from a diploid cell
- 8. Nuclear division that usually preserves chromosome number

Cell Division: Mitosis and Meiosis Crossword

Easy | 10 clues | Teacher Answer Key

TEACHER ANSWER KEY

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



ACROSS

3. Sister Chromatids
4. DNA
6. Prophase I
9. Cytokinesis
10. Homologous Chromosomes

DOWN

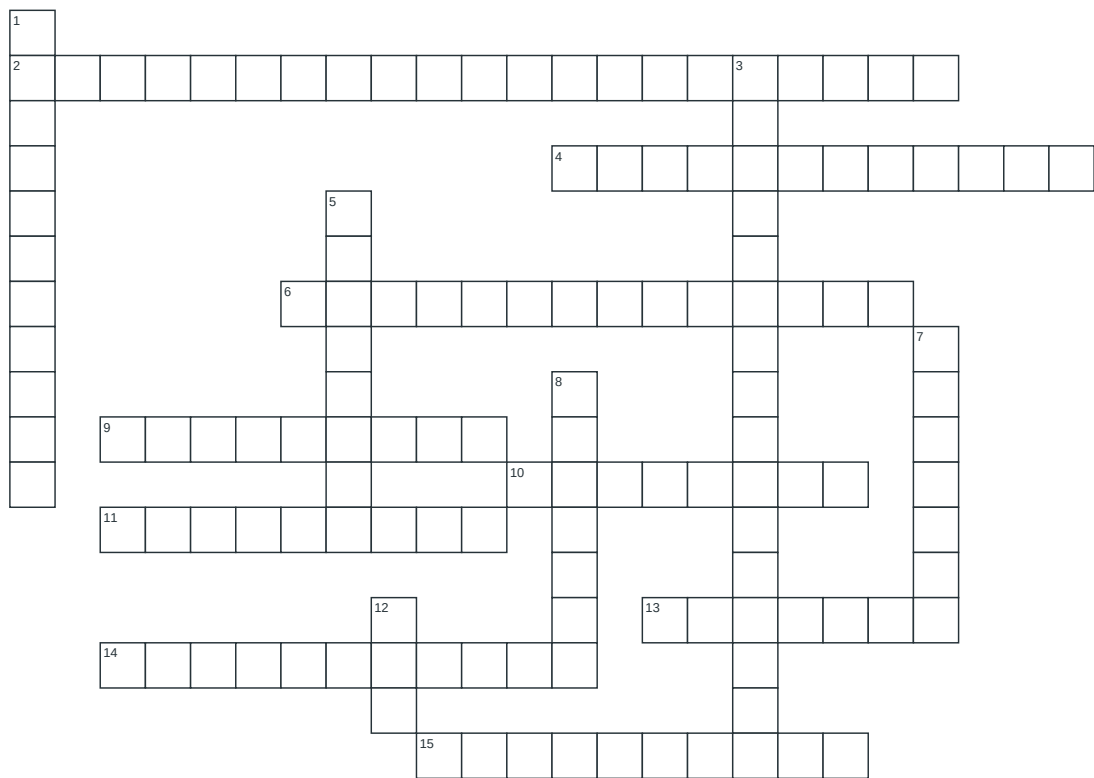
1. Metaphase I
2. Crossing Over
5. Cytoplasm
7. Meiosis
8. Mitosis

Cell Division: Mitosis and Meiosis Crossword

Medium | 15 clues | Student Worksheet

Name: _____ Date: _____

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



ACROSS

- 2. Chromosome pair with the same genes at corresponding locations
- 4. Exchange of DNA between nonsister chromatids of homologous chromosomes
- 6. Boundary that regulates exchange between a cell and its surroundings.
- 9. Meiotic stage when homologous chromosomes pair and crossing over can occur
- 10. Cell structure that assembles proteins.
- 11. Cell contents outside the nucleus and inside the plasma membrane.
- 13. Nuclear division that usually preserves chromosome number
- 14. Division of the cytoplasm into daughter cells

ACROSS (continued)

- 15. Meiotic stage when homologous chromosome pairs align at the cell center

DOWN

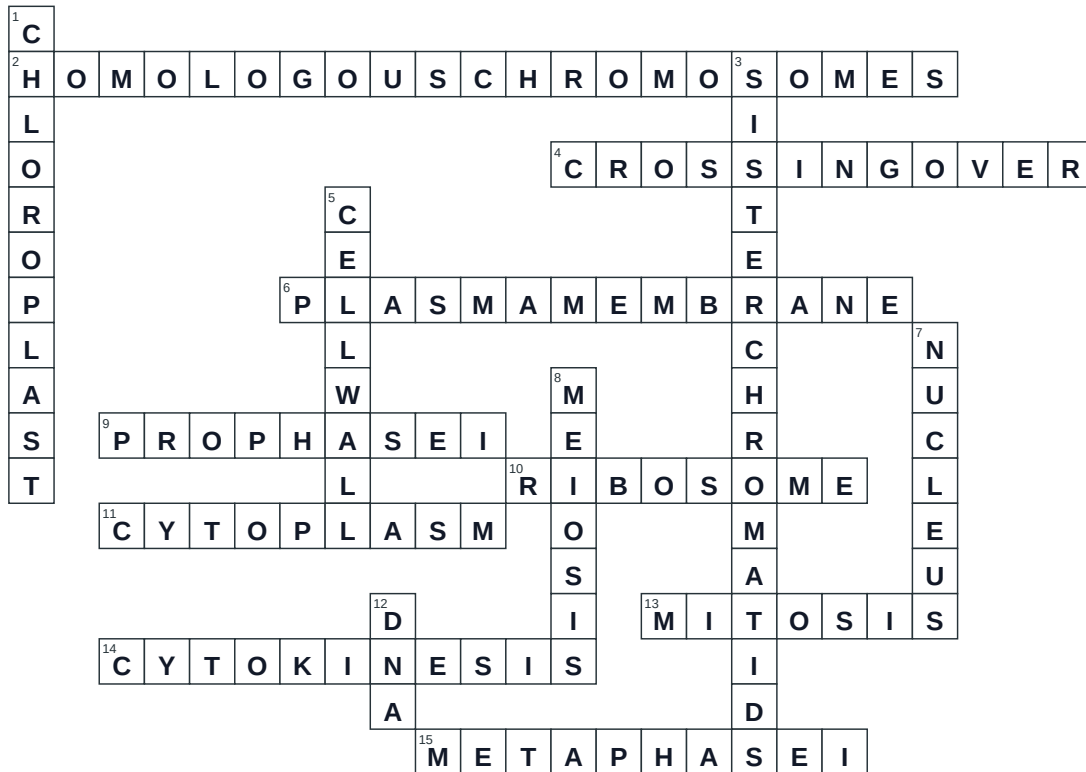
- 1. Organelle where photosynthesis occurs in plants and algae.
- 3. Identical chromosome copies joined before they separate
- 5. Rigid outer layer that supports many plant, fungal, and bacterial cells.
- 7. Membrane-bound organelle that contains most eukaryotic DNA.
- 8. Cell division that produces haploid cells from a diploid cell
- 12. Molecule that stores hereditary information in most cells

Cell Division: Mitosis and Meiosis Crossword

Medium | 15 clues | Teacher Answer Key

TEACHER ANSWER KEY

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



ACROSS

2. Homologous Chromosomes
4. Crossing Over
6. Plasma membrane
9. Prophase I
10. Ribosome
11. Cytoplasm
13. Mitosis
14. Cytokinesis

ACROSS (continued)

15. Metaphase I

DOWN

1. Chloroplast
3. Sister Chromatids
5. Cell wall
7. Nucleus
8. Meiosis
12. DNA

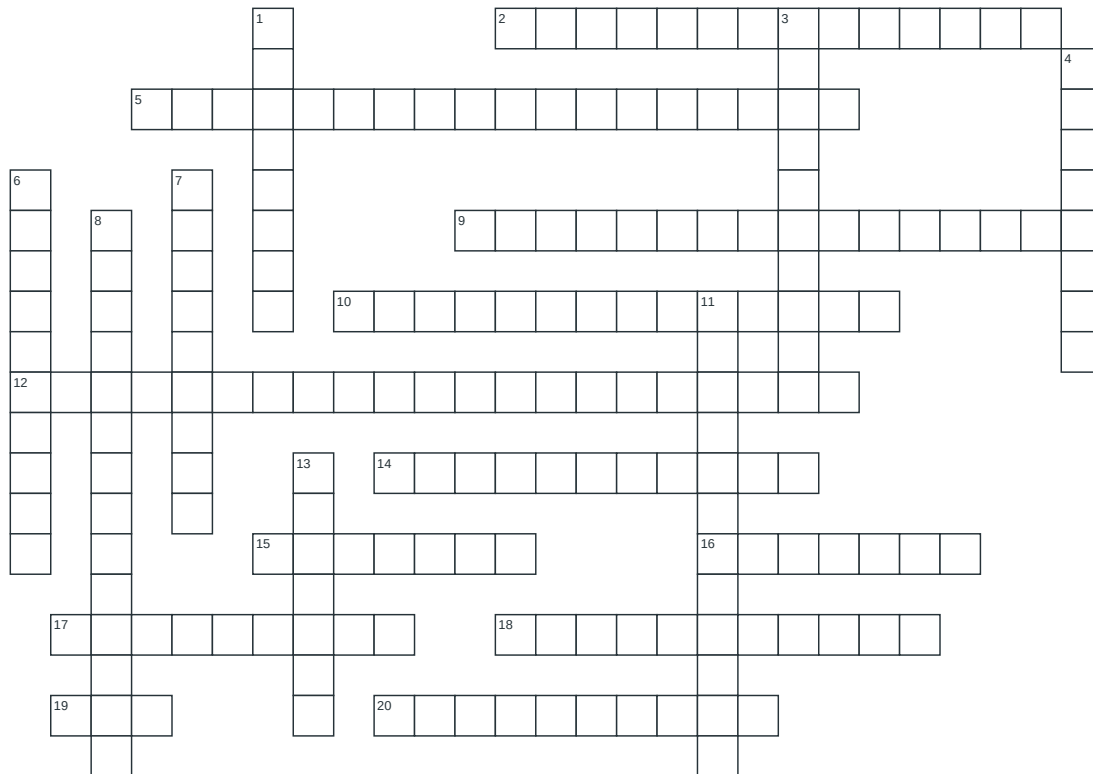
Cell Division: Mitosis and Meiosis Crossword

Hard | 20 clues | Student Worksheet

Name: _____

Date: _____

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



ACROSS

2. Organelle that modifies, sorts, and packages many proteins.
5. Process by which cells develop structures suited to particular functions.
9. Identical chromosome copies joined before they separate
10. Plant-cell compartment that stores water and helps maintain pressure.
12. Chromosome pair with the same genes at corresponding locations
14. Division of the cytoplasm into daughter cells
15. Nuclear division that usually preserves chromosome number
16. Membrane-bound organelle that contains most eukaryotic DNA.
17. Meiotic stage when homologous chromosomes pair and crossing over can occur
18. Organelle where photosynthesis occurs in plants and algae.

ACROSS (continued)

19. Molecule that stores hereditary information in most cells
20. Meiotic stage when homologous chromosome pairs align at the cell center

DOWN

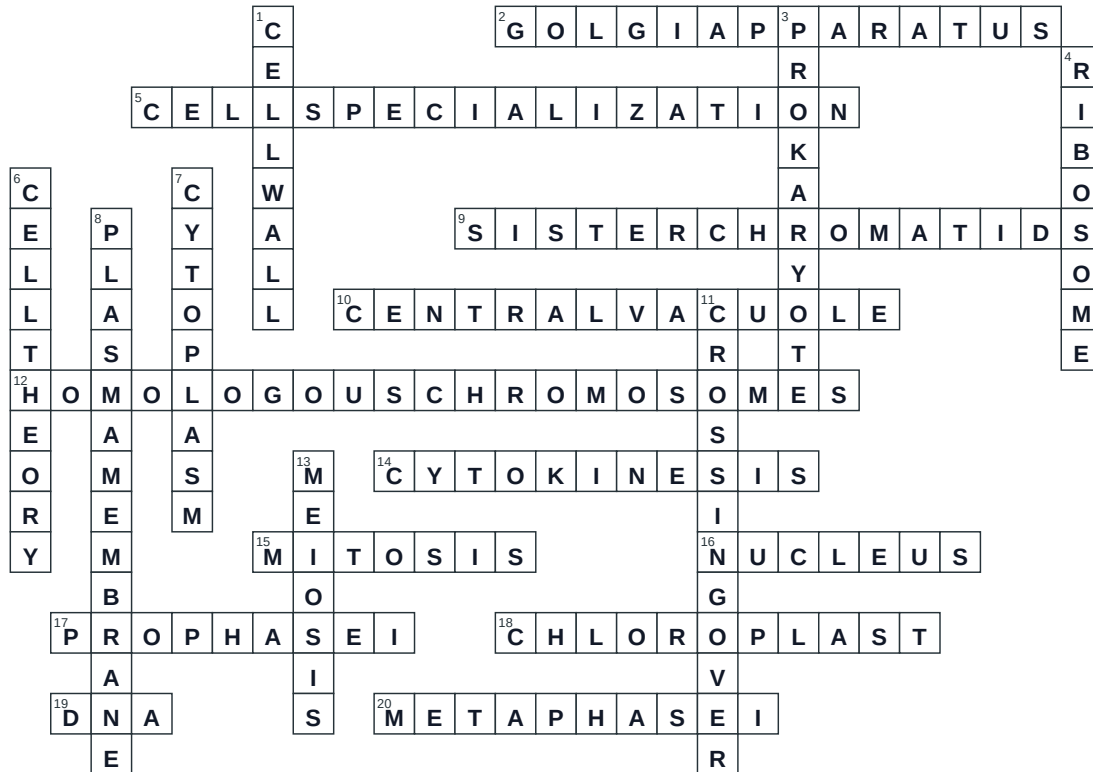
1. Rigid outer layer that supports many plant, fungal, and bacterial cells.
3. Cell type that lacks a membrane-bound nucleus.
4. Cell structure that assembles proteins.
6. States that living things are made of cells and that cells come from existing cells.
7. Cell contents outside the nucleus and inside the plasma membrane.
8. Boundary that regulates exchange between a cell and its surroundings.
11. Exchange of DNA between nonsister chromatids of homologous chromosomes
13. Cell division that produces haploid cells from a diploid cell

Cell Division: Mitosis and Meiosis Crossword

Hard | 20 clues | Teacher Answer Key

TEACHER ANSWER KEY

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



ACROSS

2. Golgi apparatus
5. Cell specialization
9. Sister Chromatids
10. Central vacuole
12. Homologous Chromosomes
14. Cytokinesis
15. Mitosis
16. Nucleus
17. Prophase I
18. Chloroplast
19. DNA

ACROSS (continued)

20. Metaphase I

DOWN

1. Cell wall
3. Prokaryote
4. Ribosome
6. Cell theory
7. Cytoplasm
8. Plasma membrane
11. Crossing Over
13. Meiosis