

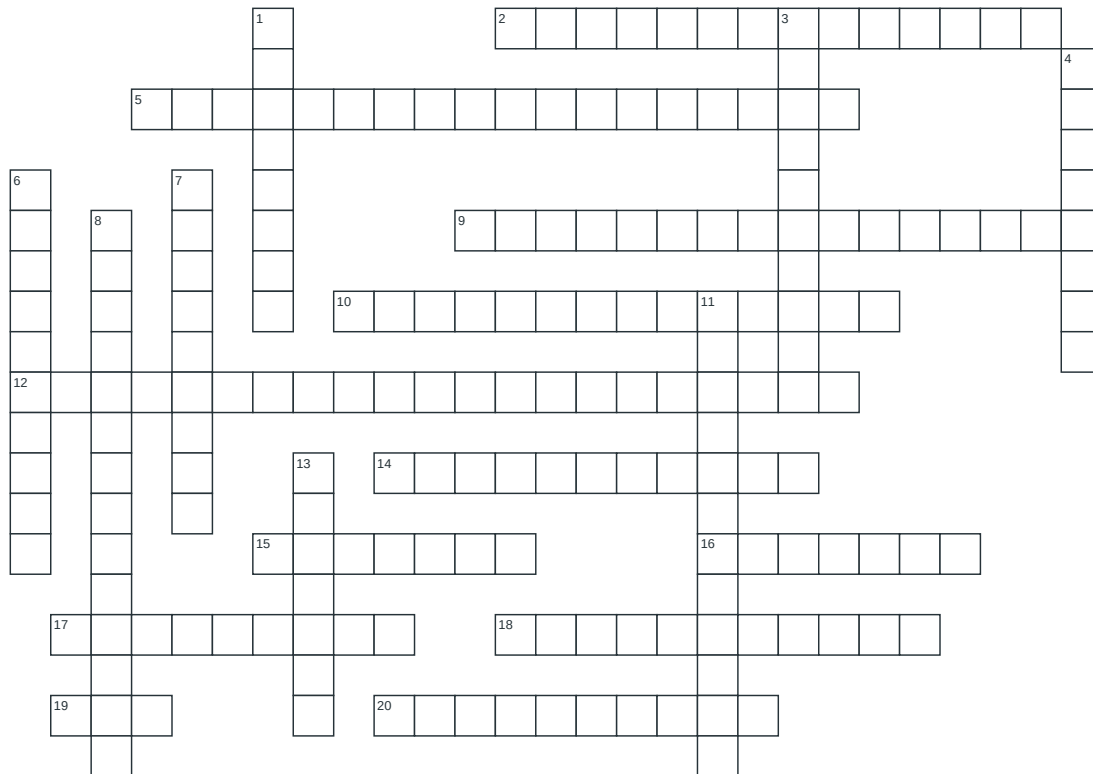
Cell Division: Mitosis and Meiosis Crossword

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

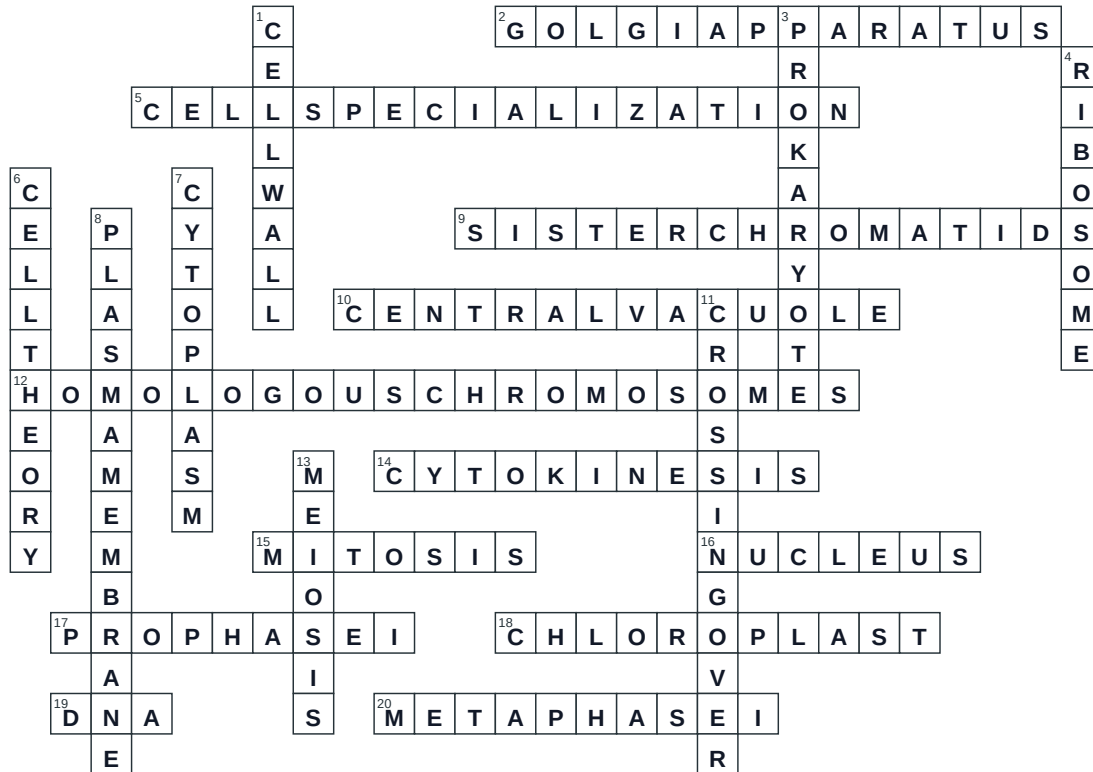
1. Rigid outer layer that supports many plant, fungal, and bacterial cells.
3. Cell type that lacks a membrane-bound nucleus.
4. Cell structure that assembles proteins.
6. States that living things are made of cells and that cells come from existing cells.
7. Cell contents outside the nucleus and inside 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

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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