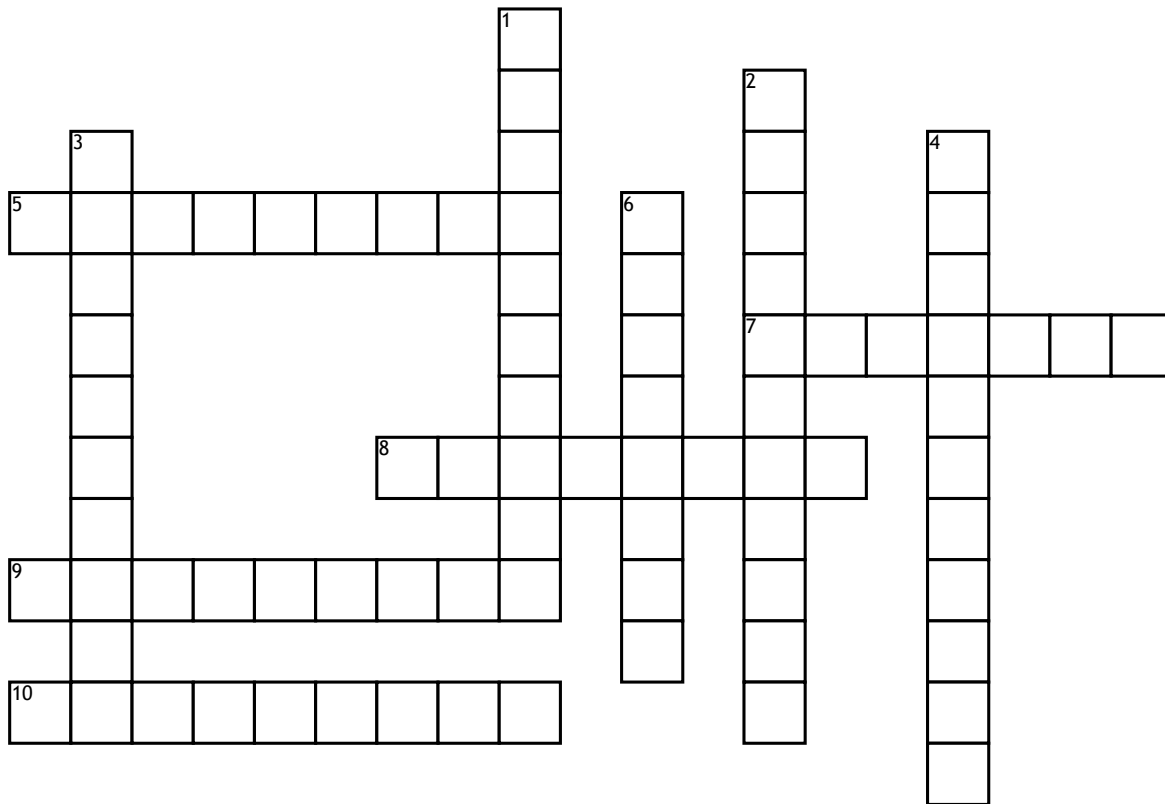


Name: _____ Date: _____ Period: _____

C2L1 Cell Cycle and Division



Across

5. Second step to Mitosis; Chromosomes line up in the middle of the cell; Spindle fibers attach to the centromeres

7. Second stage of cell division; It takes four phases to complete; Cell's nucleus divides; one copy of DNA is provided to each of the daughter cells; Phases are: prophase, metaphase, anaphase, and telephase

8. Third step to Mitosis; Chromosomes are pulled at the centromere; Fibers pull chromatids away towards opposite poles

9. The sequence of growth and division in a cell; One parent cell forms two larger daughter cells with the same DNA(genetic material) using 3 stages; The amount of time varies

10. Final step(4) to Mitosis; chromosomes uncoil; Nuclear membranes form around each set of chromosomes

Down

1. First stage of cell division; most of the time the cell is "IN" this stage; Cell grows to mature size; DNA replication = making a copy of DNA directions; Prepare to divide

2. Contains genetic material; Instructions to direct cells

3. Makes the sister chromatids not separate

4. Third stage to cell division; cytoplasm divides between the two daughter cells; animal cell: membrane pinches together around the middle; plant cell: a cell plate(cell wall) between each new cell

6. First step to Mitosis; chromatin coils to form chromosomes (X-shape); nuclear membrane disappears