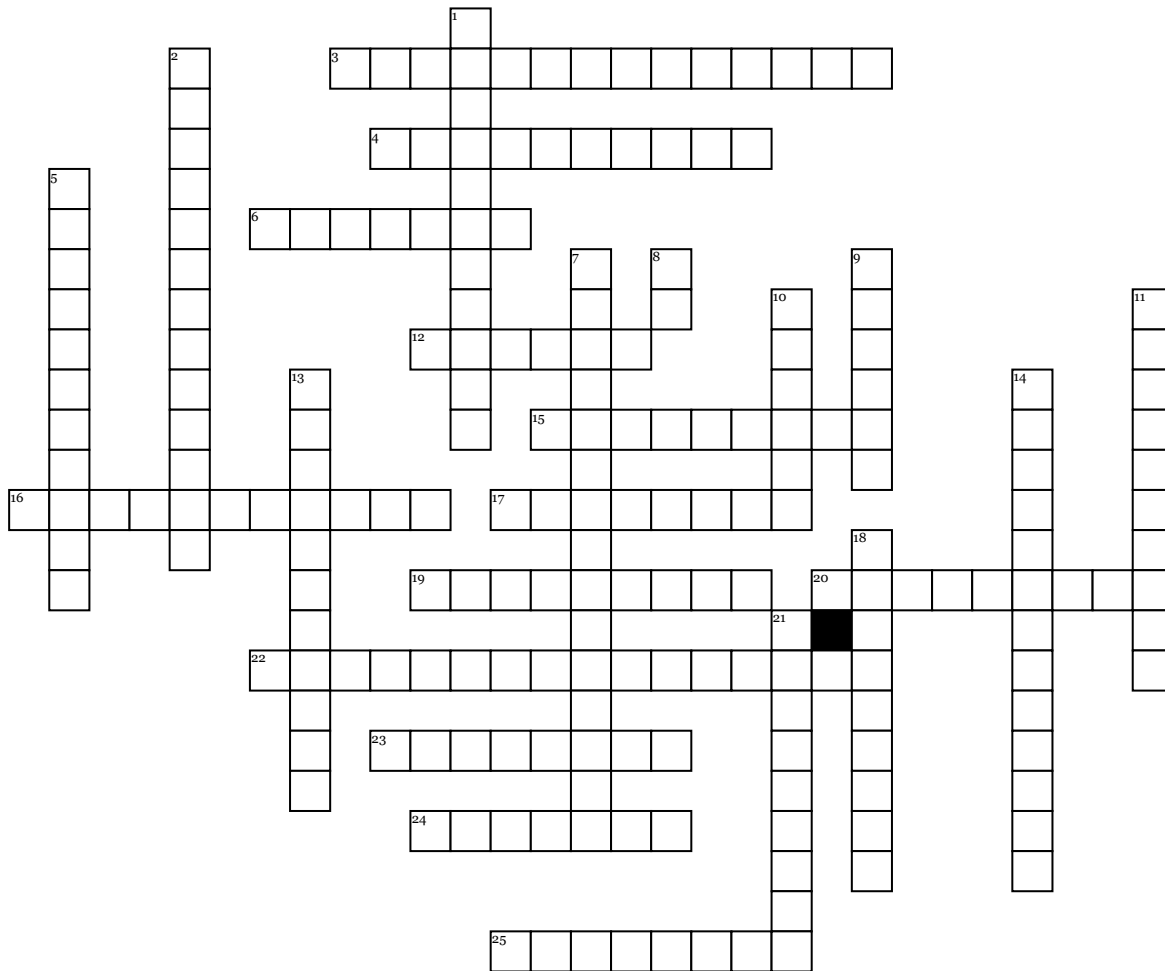


Name: \_\_\_\_\_

Date: \_\_\_\_\_

# Cellular Reproduction



## Across

- 3.** during cytokinesis, in animal cells, the pinching inward of the cell membrane to form two new cells.  
**4.** What is the G1 phase?  
**6.** Eukaryotic cell division  
**12.** the replicated homologous chromosomes line up beside each other  
**15.** When does the nuclear envelope reappear?  
**16.** they produce spindle fibers and move to opposite poles  
**17.** when does the nuclear envelope break down?  
**19.** loosely packed DNA wrapped around proteins  
**20.** the repeating set of events in the life of a cell  
**22.** what is a gamete?

- 23.** This occurs when chromatids twist around one another and exchange genetic material during cross over during prophase 1  
**24.** Eukaryotic cell division that results in the formation of gametes  
**25.** during this phase, chromatids separate and begin to move to opposite ends of the cell

## Down

- 1.** a cell with one set of chromosomes  
**2.** These help move the chromosomes, and emerge during prophase  
**5.** a cell which contains the full number of chromosomes  
**7.** prophase, metaphase, anaphase, telophase

- 8.** growth and preparation for mitosis

- 9.** what is uncontrolled cell growth?

- 10.** synthesis phase, DNA replication

- 11.** structure that holds two chromatids together

- 13.** the physical division of the entire cell

- 14.** cell division in prokaryotes

- 18.** during cytokinesis, in plant cells, this forms from vesicles that join together and eventually separate the two cells

- 21.** at what stage of meiosis do the chromosomes move to the middle of the cell and line up at the equator