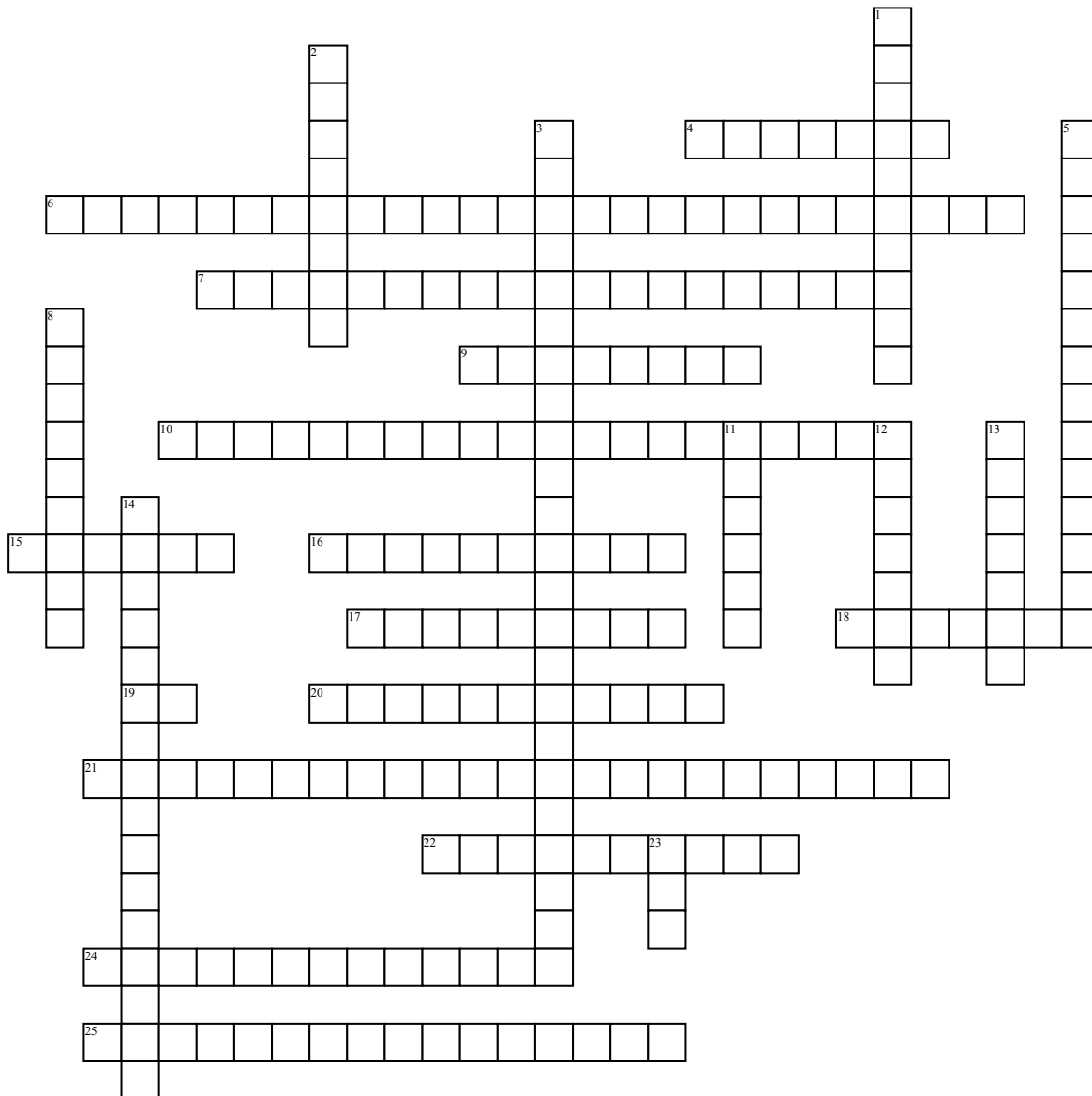


Name: _____

Date: _____

Benchmark Review



Across

4. Aid in digestion and speeds up chemical processes
 6. Water, Carbon Dioxide, and ATP are produced; Oxygen is needed
 7. Is determined by the DNA
 9. Organelle that makes proteins
 10. Organelle that acts as the highway system of the cell
 15. Contains more calories
 16. Have a nuclear membrane, DNA, and membrane bound organelles
 17. Decreased solutes outside of the cell; increased water outside of the cell; water enters the cell
 18. (Body Cells) Results in the same number of chromosomes
 19. Checkpoint where the cell is not dividing

20. Have DNA; do not have nuclear membrane or membrane bound organelles
 21. Does not require oxygen, and produces glucose
 22. G1: cell growth S: DNA copied G2: more cell growth
 24. Provides quick, short term energy
 25. Is increased during Meiosis I

Down

1. Increased solutes outside of the cell; decreased water outside of the cell; water leaves the cell
 2. Needed in order for viruses to replicate
 3. Glucose and oxygen are produced; oxygen is NOT needed
 5. Organelle that packages and sends out proteins to the cell

8. Different organisms living in the same area
 11. Caused by unregulated cell division
 12. (Sex Cells) Results in the reduction in the amount of chromosomes
 13. A major source of energy for cellular processes in both plants and animals
 14. Determine the order of amino acids; distinguishes one nucleotide from another
 23. A virus that damages immune cells