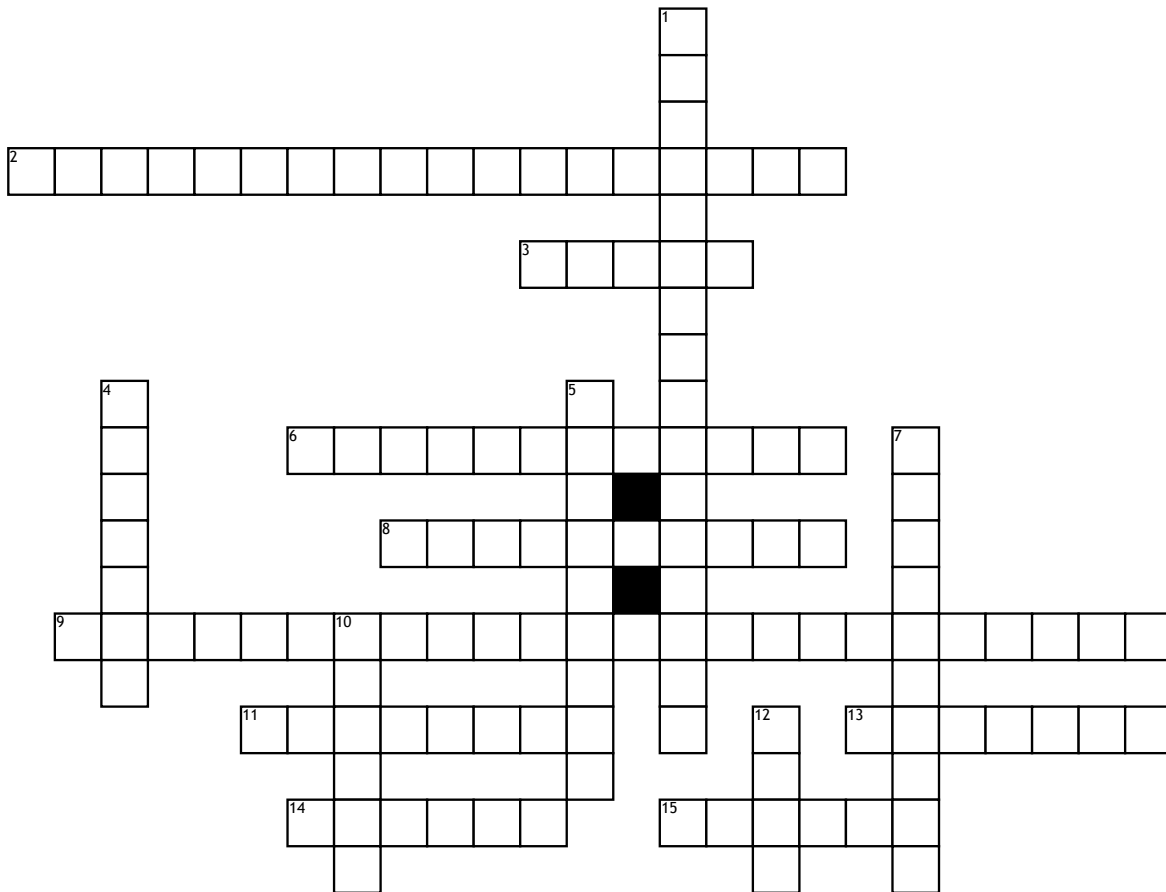


Meiosis and Mutations



Across

2. Reproduction involving two parents and the combination of genes
 3. the gamete that comes from males
 6. occurs in prophase 1 and results in DNA being exchanged
 8. The phase in meiosis in which homologous chromosomes pairs line up in pairs in the middle of the cell
 9. what happens during anaphase 2?

11. the genetic composition of an organism; the actual alleles of each gene carried by the organism
 13. A cell containing only one set of chromosomes
 14. A group of four chromatids that form during prophase one so crossing over can occur
 15. the first diploid cell after fertilization

Down

1. Replicated forms of chromosomes

4. Somatic (body) are _____ cells, which have two copies of each chromosome
 5. segregation occurs in this phase of meiosis
 7. chromosomes attach to the spindle fibers in the middle
 10. A disease caused by an uncontrolled division of abnormal cells
 12. the gamete that comes from females