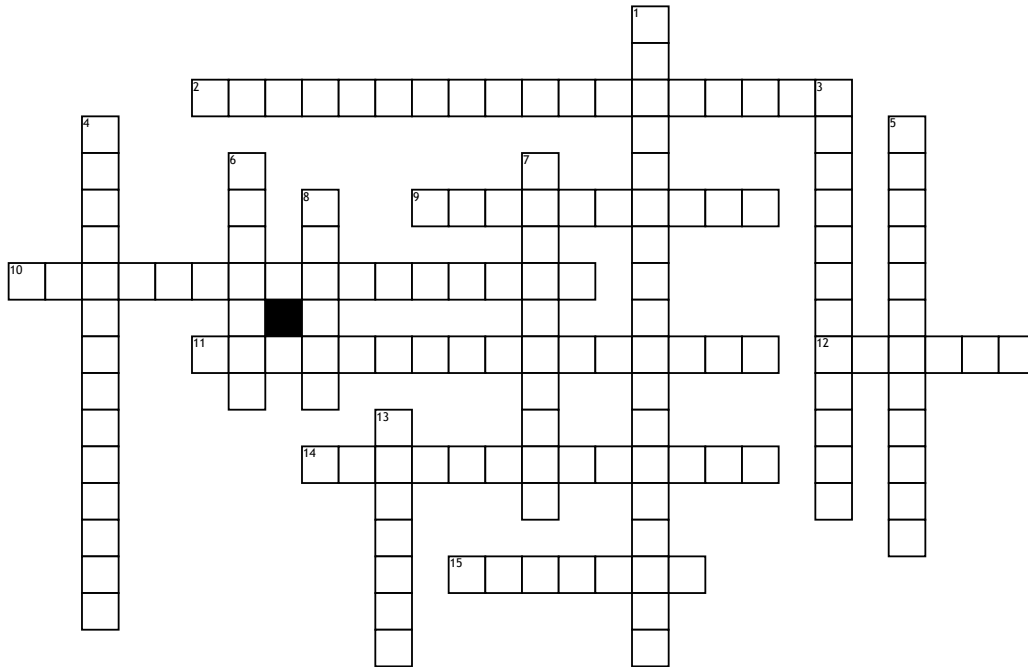


Name: _____

Date: _____

Miosis and Mutations



Across

- 2. an addition of one or more nucleotide pairings
- 9. structure that carries genes in the nucleus
- 10. a loss of a nucleotide from a gene
- 11. two copies of a duplicated chromosome attached to each other with proteins
- 12. a disease caused by an uncontrolled division of cells

- 14. mutation in a single nucleotide pair
- 15. containing two complete sets of chromosomes, one from each parent

Down

- 1. when nucleotides are not a multiple of 3
- 3. any cell in a multicellular organism not including gametes
- 4. pair of chromosomes that are the same, one from each parent
- 5. the reciprocal exchange

- 6. modified type of cell division in sexually reproducing organisms
- 7. pairing at meiosis and having the same structural features and patterns of genes
- 8. haploid reproductive cell
- 13. nuclear division in cells that happens in 5 stages

Word Bank

- | | | | |
|-------------------|---------------------|----------------|---------------------|
| meiosis | sister chromatids | homologous | crossing over |
| homologous pair | insertion mutations | gamete | frameshift mutation |
| deletion mutation | diploid | chromosome | cancer |
| mitosis | somatic cells | point mutation | |