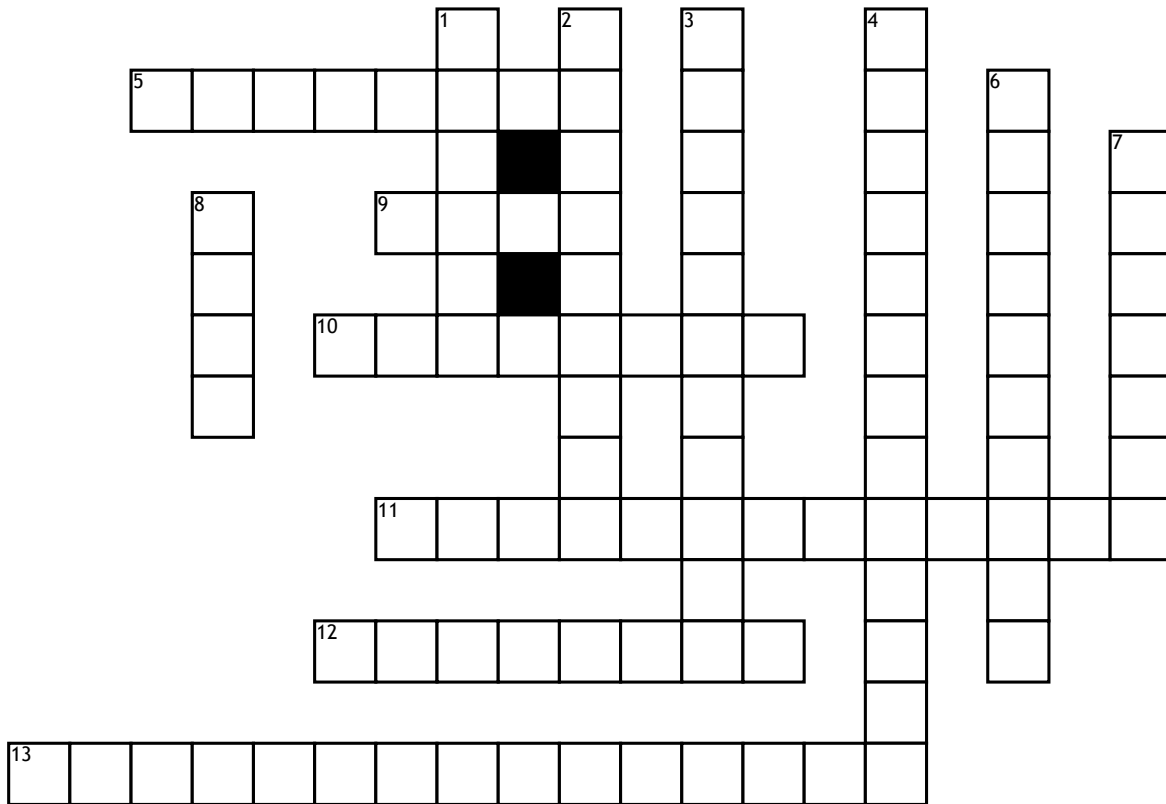


Name: _____

Date: _____

Genetic Mutations



Across

5. When a nucleotide is removed it is called a _____

9. When only one gene is affected it is called a _____ mutation

10. a permanent change to DNA is called a _____

11. When there is a change to only one nucleotide it is called a _____

12. For a mutation to get passed to offspring it has to be in the _____

13. When uneven cross over of homologous chromosomes occurs it causes _____

Down

1. When there is a mutation but no change in how a gene is expressed it is called a _____ mutation.

2. When a nucleotide is added it is called a _____

3. When many genes are affected it is called a _____ mutation

4. When nonhomologous chromosomes cross over it's called _____

6. When the reading frame of a gene is changed it's called a _____ mutation

7. Something in the environment that can cause mutation is called a _____

8. Man made mutations create _____