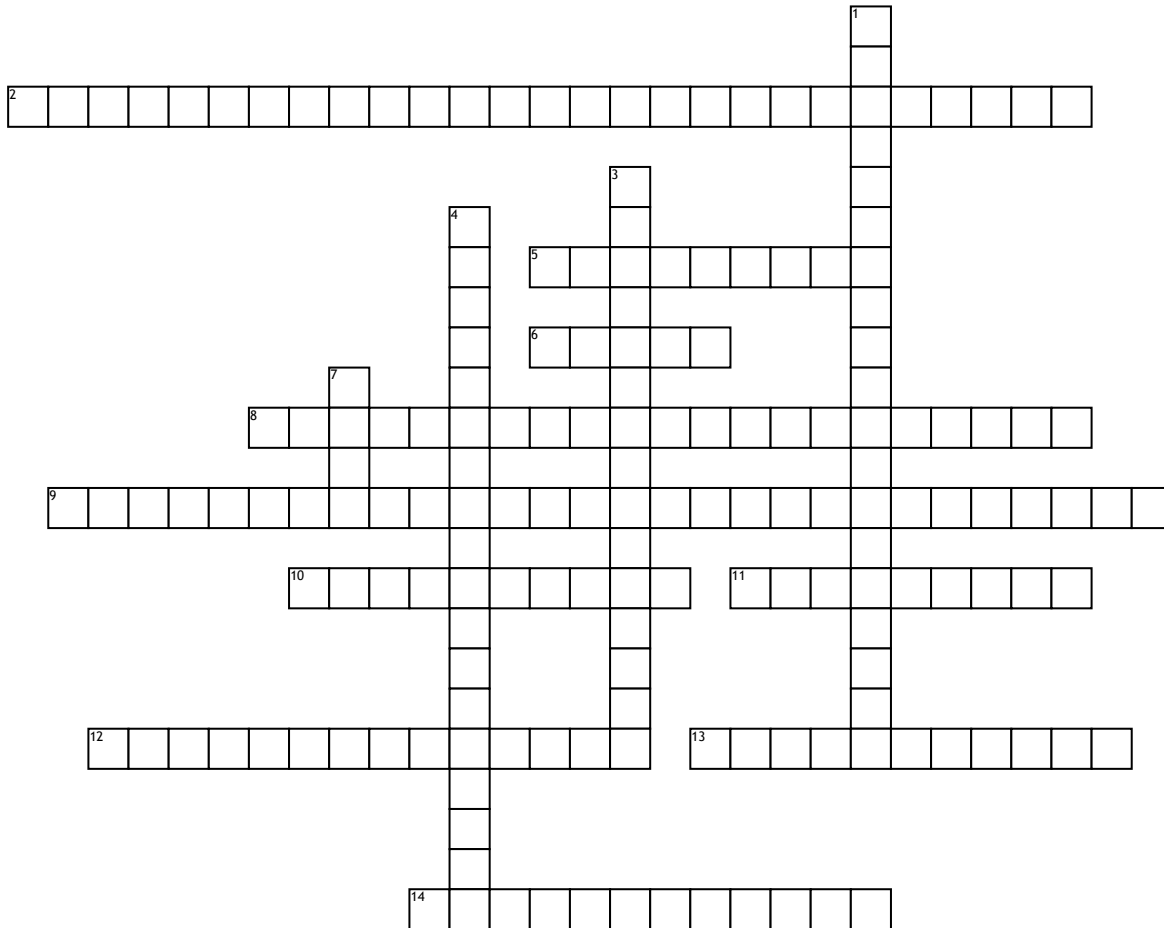


Name: _____

Date: _____

Eukaryotic Gene Expression Regulation



Across

2. transcription factors that bind to core promoter region to help in the binding of RNA polymerase
5. a specific transcription factor that binds to enhancer elements to stimulate the transcription of a gene
6. binds to and degrades RNA molecules
8. heritable changes that do not alter the DNA sequence
9. transcription factors that bind to different regions outside of the core promoter region and interact with proteins to enhance or repress RNA polymerase

10. organelle that degrades proteins

11. binding sequences or sites for specific transcription factors that help increase or enhance transcription

12. epigenetic modification in which the addition of a methyl group to a DNA molecule leads to gene silencing

13. loosely packed nucleosomes that is associated with gene expression

14. how long an RNA molecule will be intact in the cytoplasm

Down

1. protein that binds to the promoter or enhancer region to influence transcription
3. tightly packed nucleosomes that tend to not express genes
4. epigenetic modification that involves the adding or removing of acetyl functional group which leads to gene expression
7. protein complex that binds with miRNA to RNA to degrade it