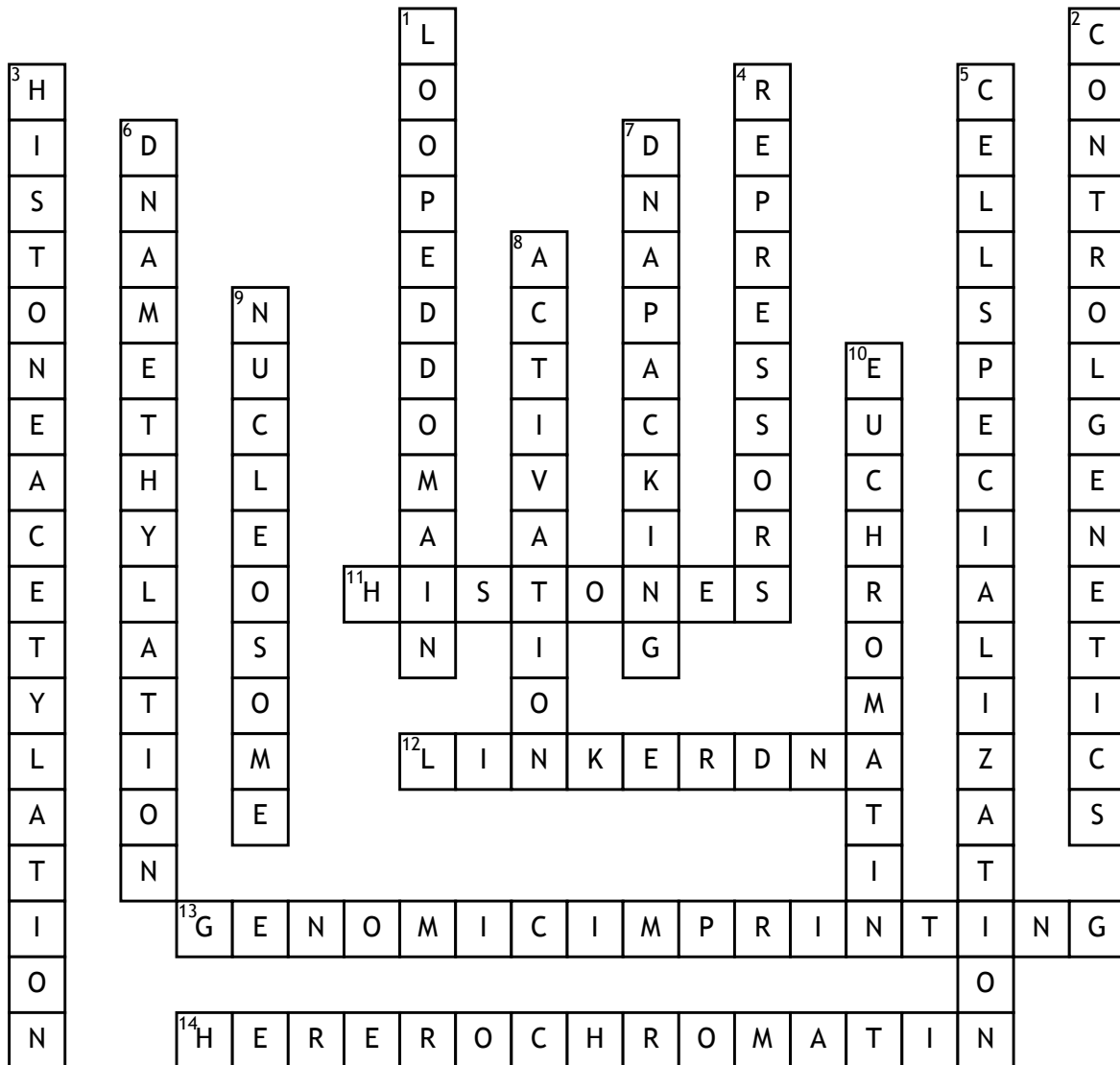


Name: _____

Date: _____

AP Biology: Ch.18 Review Activity



Across

11. Small, positively charged proteins that attract negatively charged DNA. DNA then coils around it very tightly.

12. Double stranded DNA between two nucleosomes. The string in the "Beads and string" analogy.

13. When certain genes are expressed in a parent-of-origin specific manner. One allele is imprinted upon, silencing it.

14. Regions of DNA found at the histone.

Down

1. The basic structural unit of DNA associated with replication, gene expression, and packaging.

2. A region of DNA adjacent to or within a gene that controls gene expression through the binding of transcription factors.

3. An epigenetic mechanism used to control gene expression. The unwrapping of DNA from around a histone to create loose coils.

4. A protein that reduces gene expression by binding to the operon at the activator site.

5. How cells differ to perform specific tasks.

6. AN epigenetic mechanism used to control gene expression. Adding a methyl group to turn a gene "off".

7. DNA wraps around 8 histones twice. Then forms tight coils.

8. A protein that enhances gene expression. Most are bound to enhancers.

9. The fundamental subunit of a chromatin. Each is a piece of DNA wrapped around a histone.

10. Lightly packaged form of chromosomes enriched in genes. Generally under active transcription.