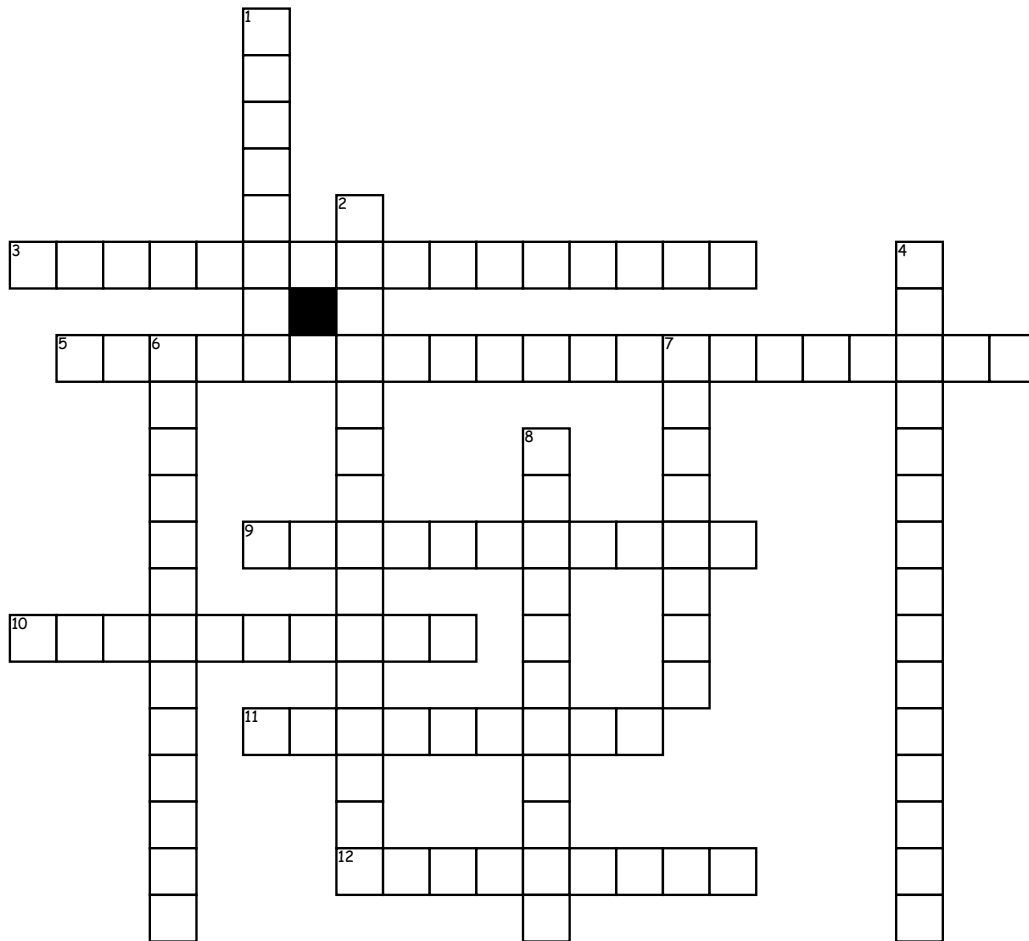


Name: _____ Date: _____ Period: _____

Biology Crossword Puzzle



Across

3. barriers that prevent protein synthesis from occurring

5. regulatory proteins that respond to a signal and bind to specific DNA sequences near a gene

9. addition of a methyl group (-CH₃) to DNA or RNA, process that plays a role in the control of genetic expression

10. proteins that turn genes on by binding to DNA

11. random errors in gene replication that lead to a change in the sequence of nucleotides; the source of all genetic diversity

12. a DNA segment containing multiple control elements that may be located far away from the gene it relegates

Down

1. regulation at level of DNA where there's total or partial deletion of gene resulting in the loss of capability to produce mRNA

2. the time it takes proteins to digest a cell

4. the transfer of a phosphate group, usually from ATP, to a molecule.

6. the increase range of a single signal to many cells

7. a lipid molecule that sends out signals to others cell, but first has to enter the nucleus

8. hort strands of DNA capable of moving from one location to another within a cell's genetic material

Word Bank

degradation time

activators

transposons

methylation

amplification

Phosphorylation

mutations

Transcriptions factors

enhancers

ribosome barriers

gene loss

steroids