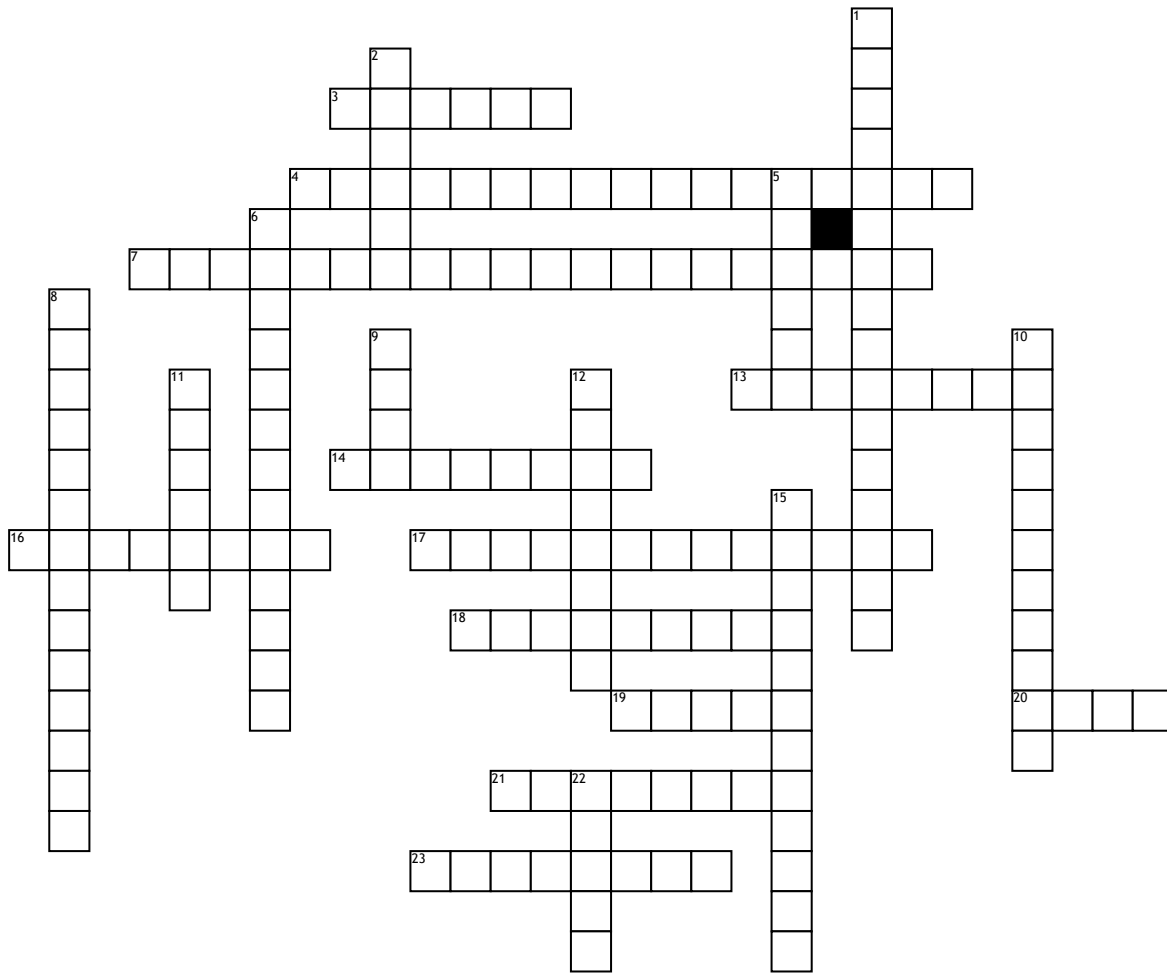


Name: _____

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Chapter 4.2 Vocabulary



Across

3. Gel that provides the nutrients and environment that cells need to survive
 4. Enzyme that cause the conversion of lactose into monosaccharides
 7. Molecules that regulate gene expression by connecting the enhancer or silencer area of DNA
 13. A part of DNA where the expression of a gene increases
 14. Area at the beginning of a gene where RNA polymerase connects
 16. Nuclear proteins that connect the chromosomal DNA and condense it into highly packed coils.
 17. Doesn't cause disease
 18. Instrument that increases temperature and pressure to disinfect equipment and solution

19. Liquid source used to grow cells
 20. Section of a gene that directly codes for a protein, which is expressed.
 21. Part of DNA where the expression of a gene decreases
 23. Type of plasmid containing a gene for an antibiotic resistance

Down

1. Process of combining and disinfecting ingredients of a particular solution
 2. A fragment of DNA containing genes into a cell
 5. Section of a gene that is transcribed into an mRNA molecule but doesn't show in a protein.
 6. Enzyme that causes the synthesis of complementary RNA strands from a given DNA strand.

8. Viruses that infect bacteria
 9. Solid source used to grow bacteria
 10. Cells that have strange DNA and started showing the genes on the new obtain DNA
 11. Section of prokaryotic DNA having one or more genes and their controlling elements
 12. Part on an operon that can turn off or no and express a set of genes depending to connect a regulatory molecule.
 15. Process of treating a disease by replacing a not working gene with a working gene.
 22. Splitting cells