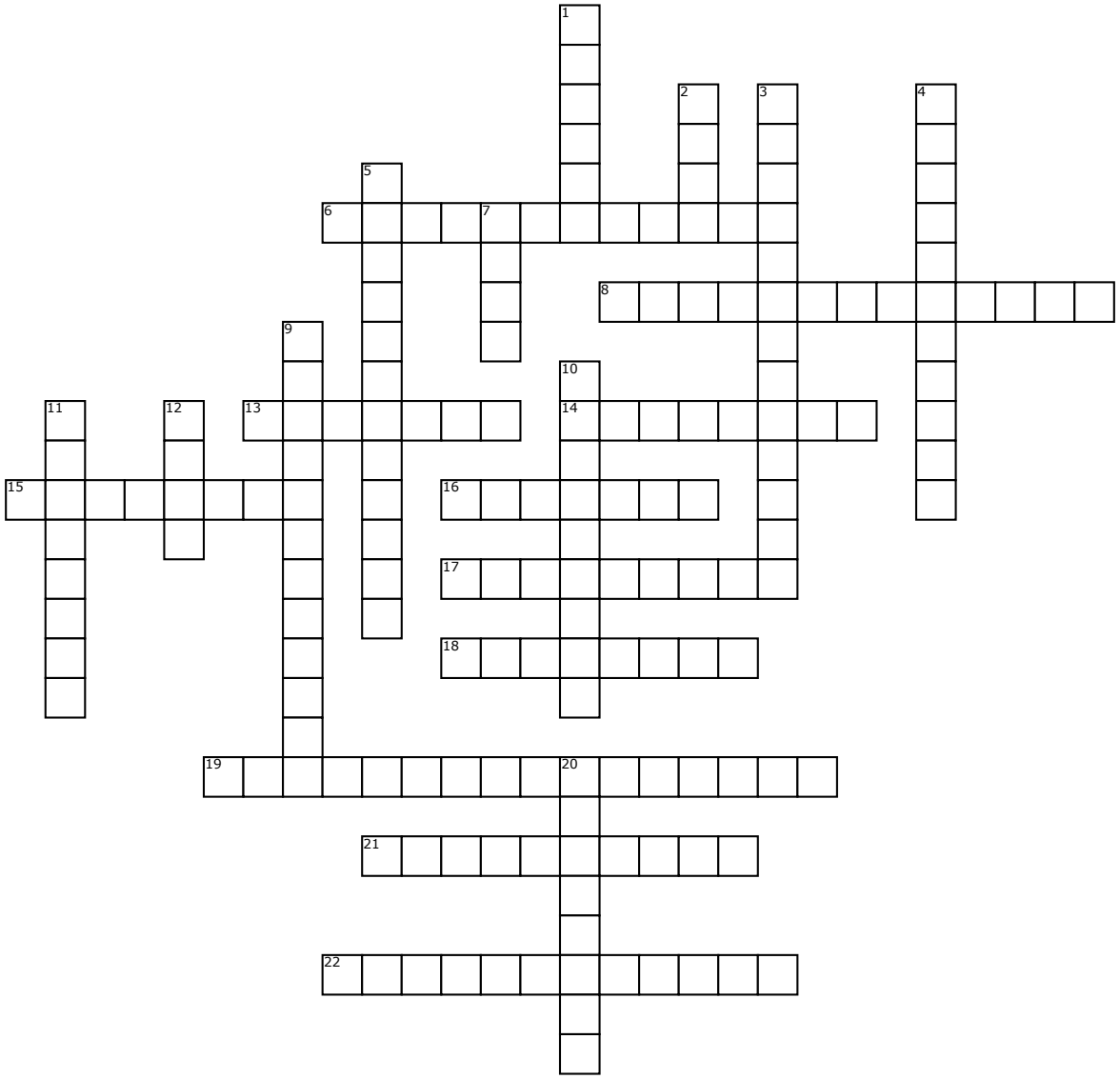
Name: _____

5.1.3 and 5.1.4 Vocabulary



Across

6. This bacteria appears purple after a Gram stain

8. Adding this stain is the first of four steps in the Gram stain process

13. The outermost membrane surrounding a bacterial cell that is between the cell wall and the environment

14. The region of the bacterial cell where DNA is located

15. Adding this stain is the fourth and final step in the Gram stain process

16. The purpose of this step is to decolorize the slide and get rid of stain that is not bound to the cell wall

17. Tiny dots responsible for protein synthesis in a bacterial cell

18. A rod shaped bacteria

19. This is a procedure preformed under sterile conditions

21. A spiral shaped bacteria

22. A procedure used to determine the structure of the cell wall

Down

1. A spherical shaped bacteria

2. The species part of the scientific name E. coli

3. The Genus part of the scientific name Streptococcus pyogenes

4. The purpose of this step in Gram staining is to bind with the crystal violet and form a complex in Gram positive cell walls

5. These bacterial cells are characterized by a thick layer of peptidoglycan in the cell wall

7. Hairlike appendage on the surface of a bacterial cell

9. This bacteria appears pink/red after a Gram stain

10. Part of the outer membrane in the cell wall of Gram negative bacteria that carry toxins

11. Whiplike appendage on the outside of some bacterial cells used for movement

12. What bacteria grows on

20. The layer surrounding the bacterial cell composed of peptidoglycan

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