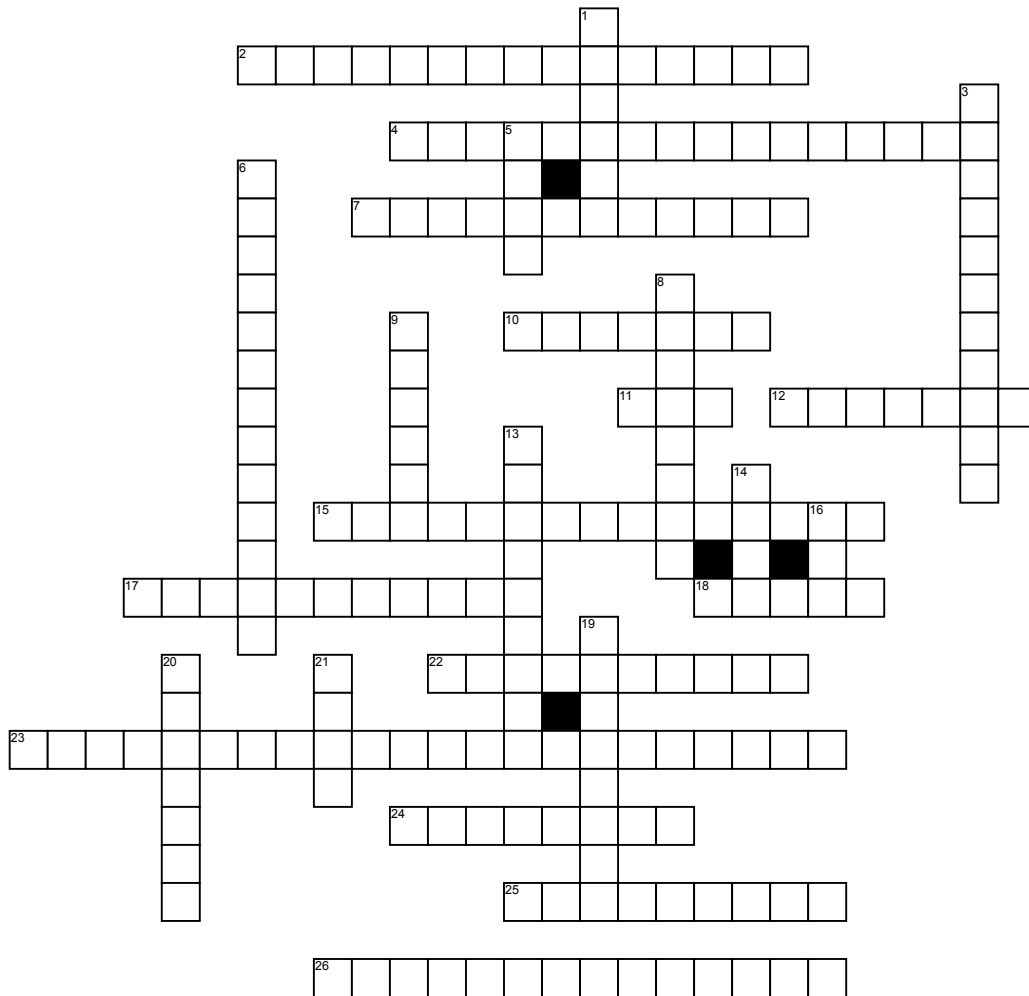


Differential Tests



Across

2. pH indicator which will turn blue in an alkaline environment
 4. used to transfer bacteria from one media to another without contaminating the culture, media, or environment
 7. germicide used on inanimate objects
 10. one of the three carbohydrates that may be used in the phenol red test
 11. point at which antibiotic concentration is too dilute to inhibit the growth of bacteria
 12. enzymes are made of this macromolecule
 15. enzyme used by organisms to survive on citrate agar
 17. a lack of this may yield false positives in test results

18. lack of hemolysis of an organism on a blood agar plate

22. used as an indicator of gas production by an organism in a broth
 23. Ferris Chloride used as the test indicator
 24. stain used to detect bacteria with mycolic acid in their cell wall
 25. pH indicator which will turn yellow in an acidic environment
 26. test used to detect acetoin as the end product to glucose fermentation

Down

1. the indicator used to detect starch
 3. a lack of this in a test may cause false negatives
 5. the color gram negative organisms will stain

6. the ability or inability of an organism to live in the presence of oxygen
 8. the family of organisms that ferment lactose with the production of gas
 9. the color gram positive organisms will stain
 13. the test used to detect mixed acid fermenters
 14. complete hemolysis by an organism on a blood agar plate
 16. 3 test in one tube, one of which is used to detect motility of an organism
 19. an enzyme used to break down hydrogen peroxide
 20. the enzyme used to break down starch
 21. most used differential stain in bacteriology

Word Bank

disinfectant	violet	phenolred	sensitivity	iodine
durhamtube	gamma	aseptictechnique	bromothymolblue	gram
catalase	aerotolerance	vogesproskauer	citratepermease	glucose
specificity	SIM	protein	MIC	coliform
pink	acidfast	methylred	phenylalaninedeaminase	beta
amylase				