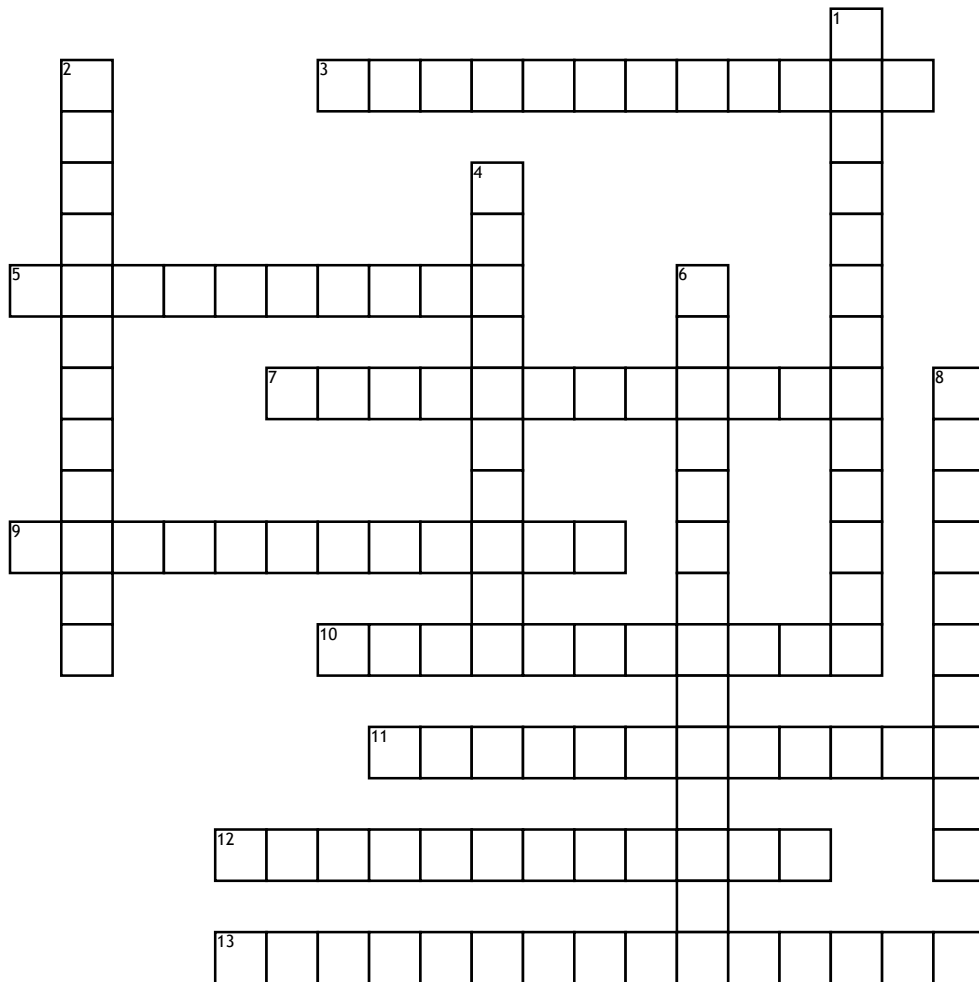


Antibiotics



Across

3. interferes with protein synthesis in microbes
 5. blocks the enzyme that catalyzes transpeptidation and prevents the synthesis of complete cell wall
 7. inhibit bacterial growth in humans because bacteria do not transport folic acid
 9. binds to 23s rRNA of 50s ribosomal subunit and inhibits peptide chain elongation
 10. used to treat infections caused by *Bacteroides fragilis* as well as some staph and strep infections

11. an antibiotic active against tuberculosis

12. if given before permanent teeth are formed, the permanent teeth will turn black

13. inhibits peptidyl transferase reaction and was thought to be the wonder drug when first discovered

Down

1. structurally and functionally similar to penicillins and can be used in most patients that are allergic to penicillin
 2. inhibits reductase enzyme and also interferes with folic acid production

4. used for the treatment of MRSA and enterococcal infections and is considered the drug of last resort

6. all have cyclohexane ring and interfere with protein synthesis by directly inhibiting the process and by causing misreading of the messenger RNA

8. inhibits bacterial DNA-gyrase and topoisomerase II

Word Bank

Erythromycin
 Quinolones
 Trimethoprim
 Vancomycin

Clindamycin
 Cephalosporin
 Aminoglycoside

Sulfonamides
 Lincosamides
 Streptomycin

Penicillin
 Tetracycline
 Chloramphenicol