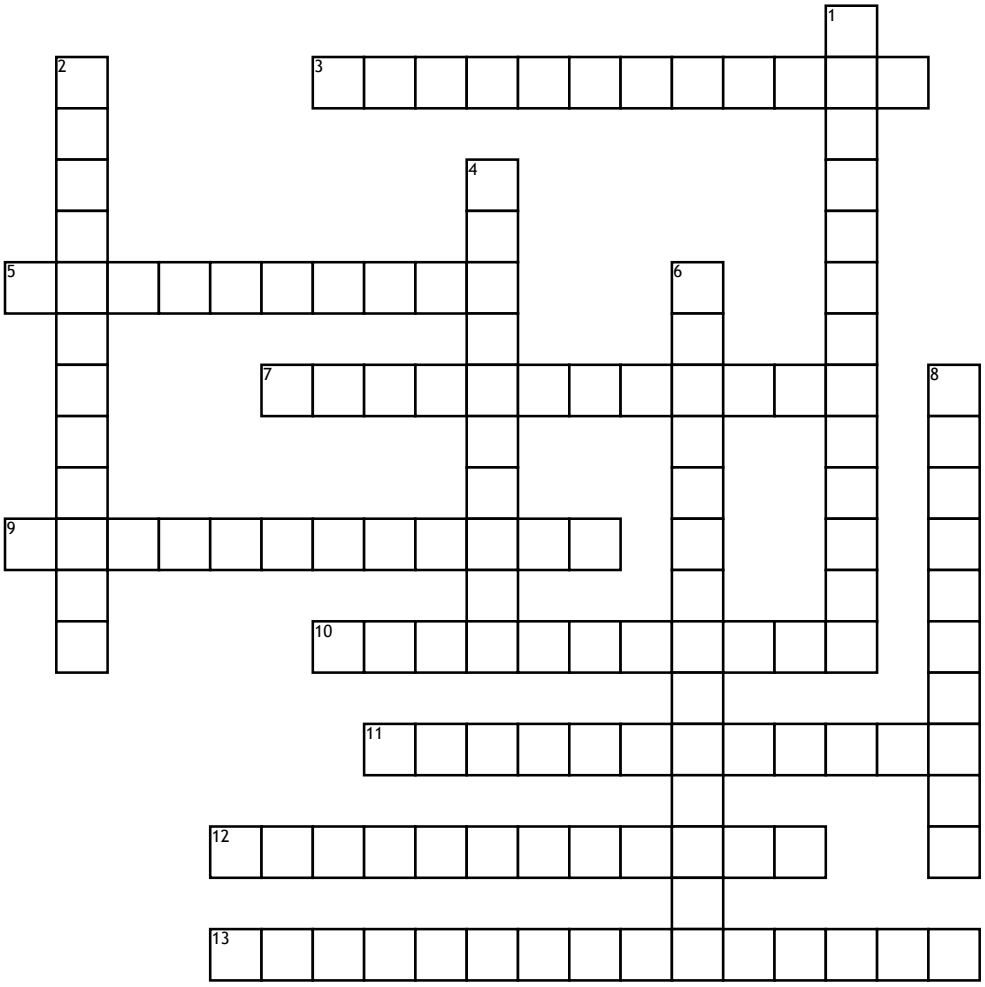
Antibiotics



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
Clindamycin
Sulfonamides
Penicillin
Quinolones
Cephalosporin
Lincosamides
Tetracycline
Trimethoprim
Aminoglycoside
Streptomycin
Chloramphenicol
Vancomycin