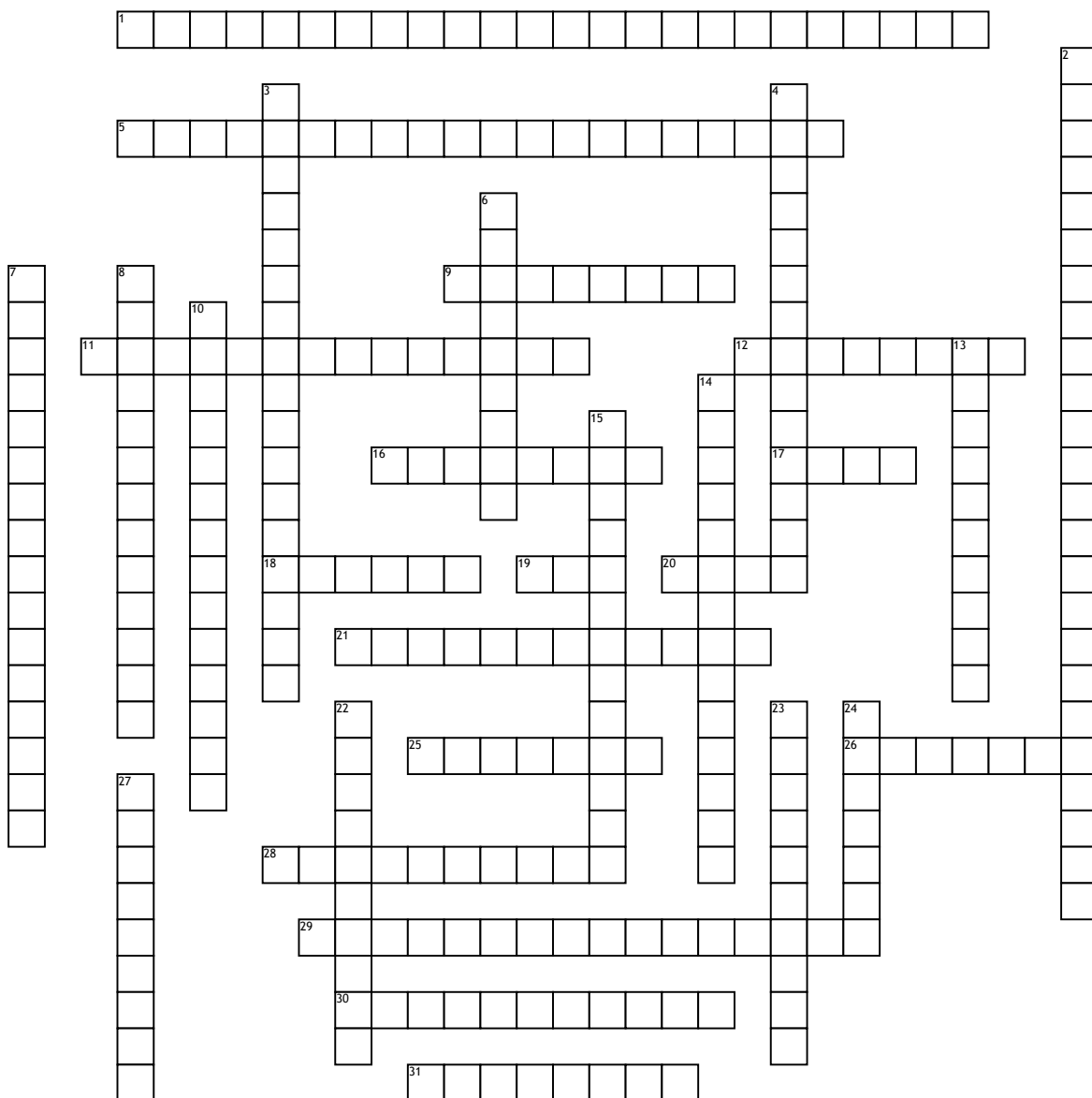


# Neutralization Reactions



## Across

1. What changes color at high Ph
5. The Ph of a neutralized solution depends on this
9. Acetic acid is an example of what type of acid
11. Happens when acid and base react with each other
12. neutralization results in no excess
16. Negatively charged oxygen surrounds positively charged
17. What has a low ph level
18. On Periodic Table what is O
19. Number of categories for neutralization
20. Has a high PH level
21. Salt is this kind of a compound
25. What is a PH of 7 called?

26. type of reaction when acid and base react with this type of solution to produce salt and water
28. Two categories for neutralization reaction are strong acid and
29. Ions that stay unchanged doing a reaction
30. happens to a strong acid in an aqueous solution
31. happens to water when ph level is not correct

## Down

2.  $K_w = (H^+)(OH^-)$
3. PH is an abbreviation for
4.  $H^+ + OH^- = H_2O$  is  $-57.30$  KJ/mol
6. Type of science studying neutralization
7. Where is the Ph most easily calculated

8. Ions that do not react in a solution
10. Ph end point depends on this
13. what kind of reaction is neutralization
14. type of reaction where acid and base make a aqueous solutions
15. Chart use by chemists
22. Best High School in Virginia
23. What chemical is  $HMO_3$
24. Neutralization maintains this
27. Important to keep neutral from tropical fish