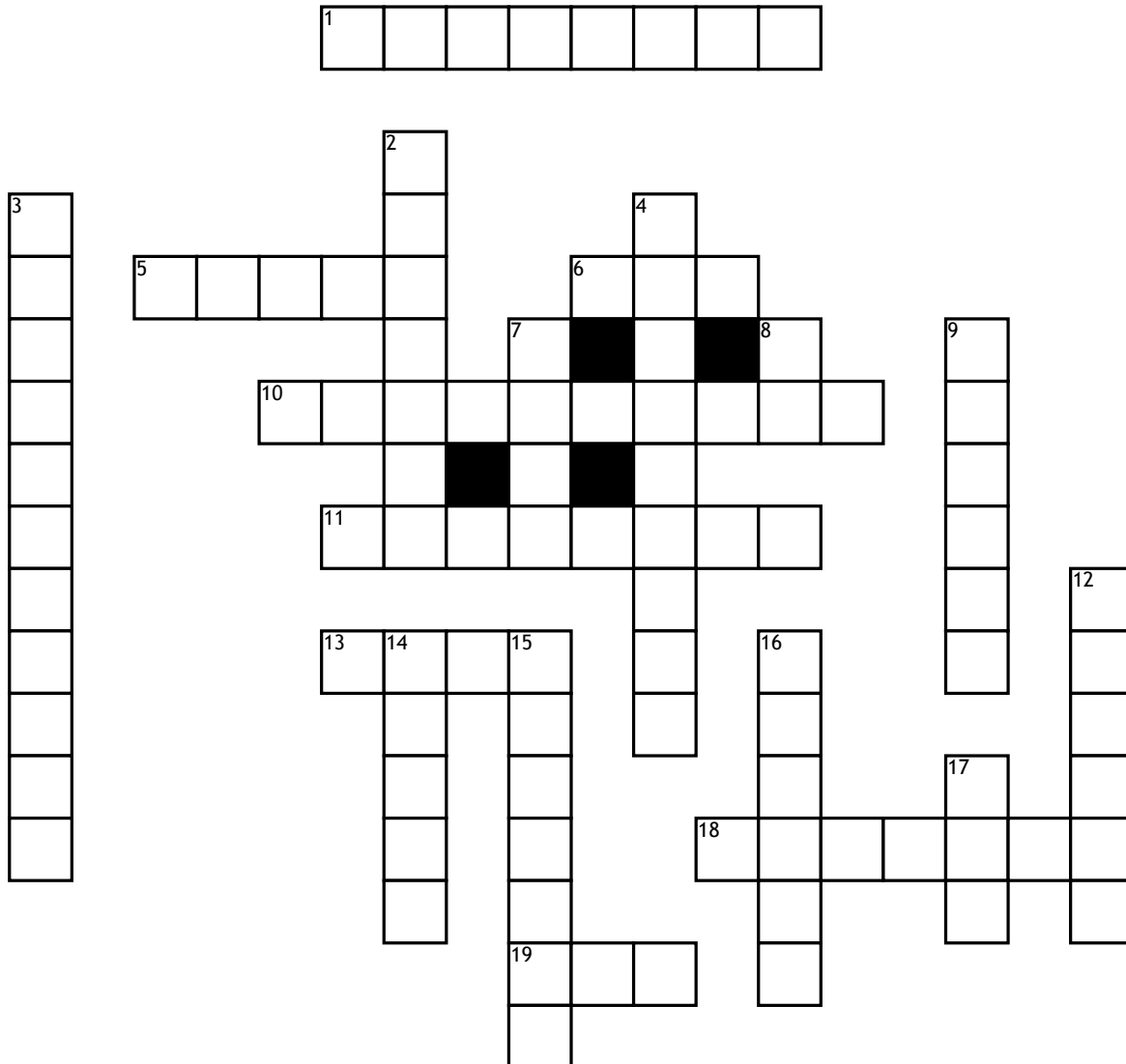


# Crossword Puzzle



## Across

1. The longer leg of an LED is the BLANK leg
5. Base 8
6. Diodes that emit light
10. Convert AC to DC
11. Logic gate that uses one input and gives the opposite for an output
13. Logic gate which any input is low the output is high
18. Negative leg of component

19. Logic gate that must have all inputs high in order to get an output

## Down

2. Most common element in semiconductors
3. Base 16
4. Limit current flow or they are used as a voltage divider
7. Small diodes use a BLANK at one end to indicate the cathode

8. Logic gate has a high output when either or both inputs are high

9. Adds impurities to an intrinsic semiconductor material
12. Permit current to flow through in one direction only
14. Positive leg of component
15. Base 10
16. Base 2
17. Logic gate which the output is low when any input is high