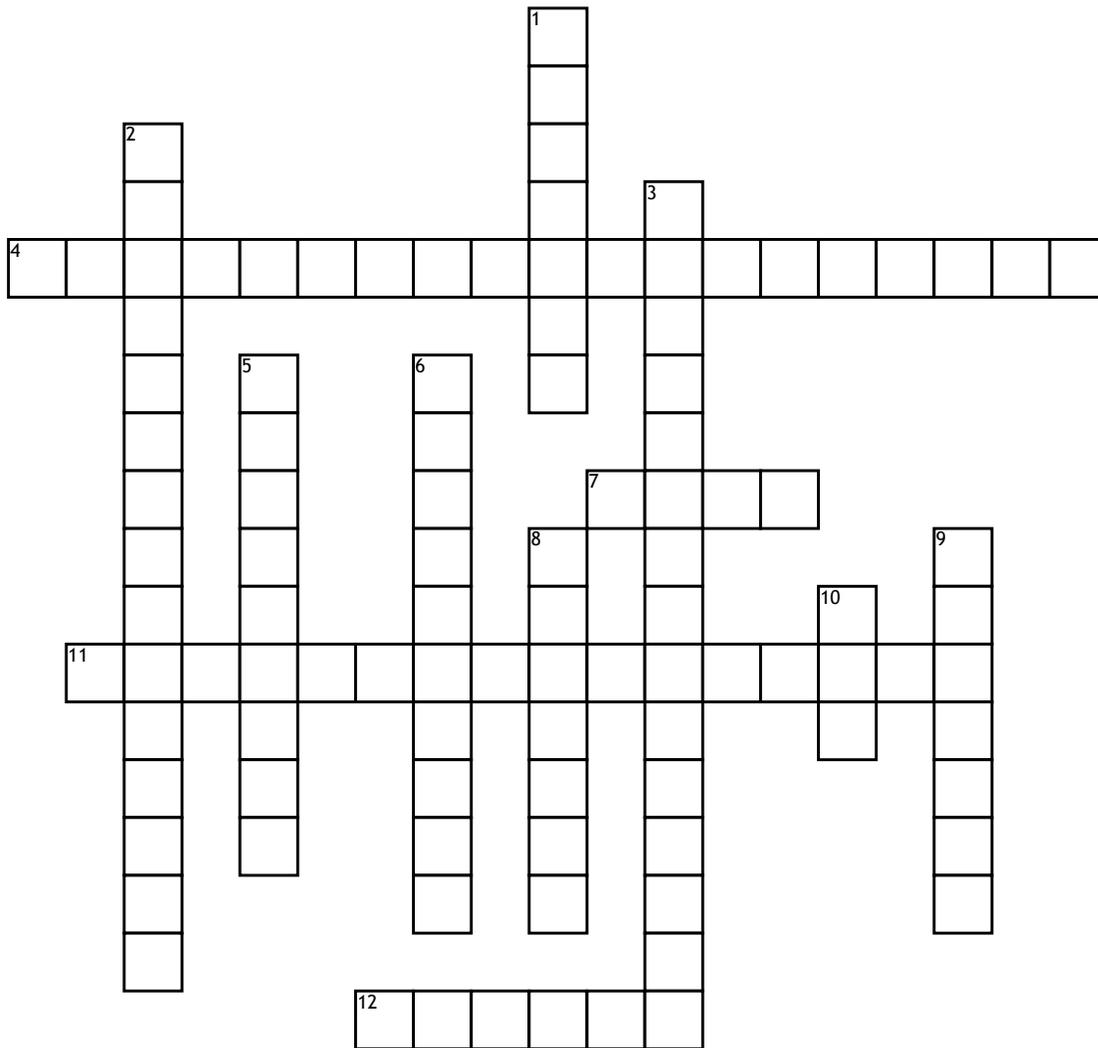


Electricity and Magnetism



Across

4. Material in which the number of free electrons is more.
7. Loop direction from + to - , then it is a voltage _____.
11. Consists of 2 resistors in a series which split the potential difference of the battery between them.
12. Product of (v)(delta t) and A.

Down

1. Formulated as $V=IR$, V is the potential difference, R is the resistance, and I is the current.
2. The value for _____ is $1.6 \times 10^{-19} \text{ J}$
3. The amount of current (I) is decided by the _____ of the path.

5. Instrument whose Internal Resistance should be very high.
6. Resistance depends on temperature.
8. Path, if the theta value is more than 90.
9. Closed path in which a continuous charge can flow.
10. More Light is equal to lower resistance.