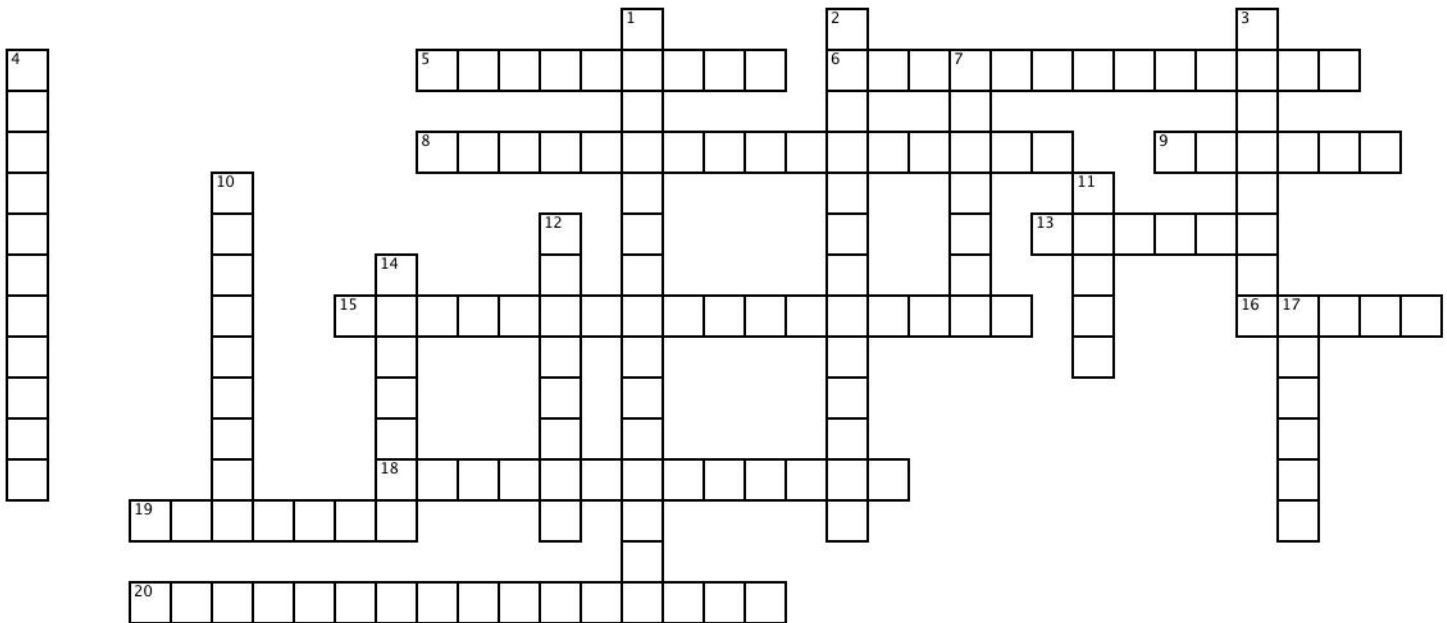


How Does Electricity Work?

Take our crossword challenge and test your knowledge of electrical science



Across

5. A material that insulates, especially a nonconductor of sound, heat, or electricity ...?
6. When a coil of insulated wire wrapped around a soft iron core with electrical current flowing through the wire becomes magnetized, it is a ...?
8. A structural or procedural diagram, especially of an electrical or mechanical system ...?
9. What's a device used to break or open an electric circuit or to divert current from one conductor to another ...?
13. The point or part of a system where energy or mass is added to the system ...?
15. Electric discharge resulting from the accumulation of electric charge on an insulated body ...?
16. To present an opposing force to; push back or away by a force ...?
18. When circuit connections are made properly, current flows, the circuit is said to be a ...?
19. A closed path followed or capable of being followed by an electric current ...?
20. The production of a magnetic field in a piece of unmagnetized iron or other iron-like substance when a magnet is brought near it is called ...?

Down

1. A circuit or part of a circuit connected in parallel ...?
2. The wires and elements of a what are connected end to end?
3. A person devoted to designing, constructing, and operating the structures, machines, and other devices of industry and everyday life is called an ...?
4. When the wires of a circuit are disconnected, the circuit is said to be an ...?
7. What is the amount of electric charge flowing past a specified circuit point ...?
10. A substance or medium that conducts heat, light, sound, or especially an electric charge ...?
11. What changes the motion, size, or shape of a body ...?
12. A device, such as a part of a radio, television set, or telephone, that receives incoming radio signals and converts them to perceptible forms, such as sound or light ...?
14. To cause to draw near or adhere by physical force ...?
17. What is usable heat or power ...?