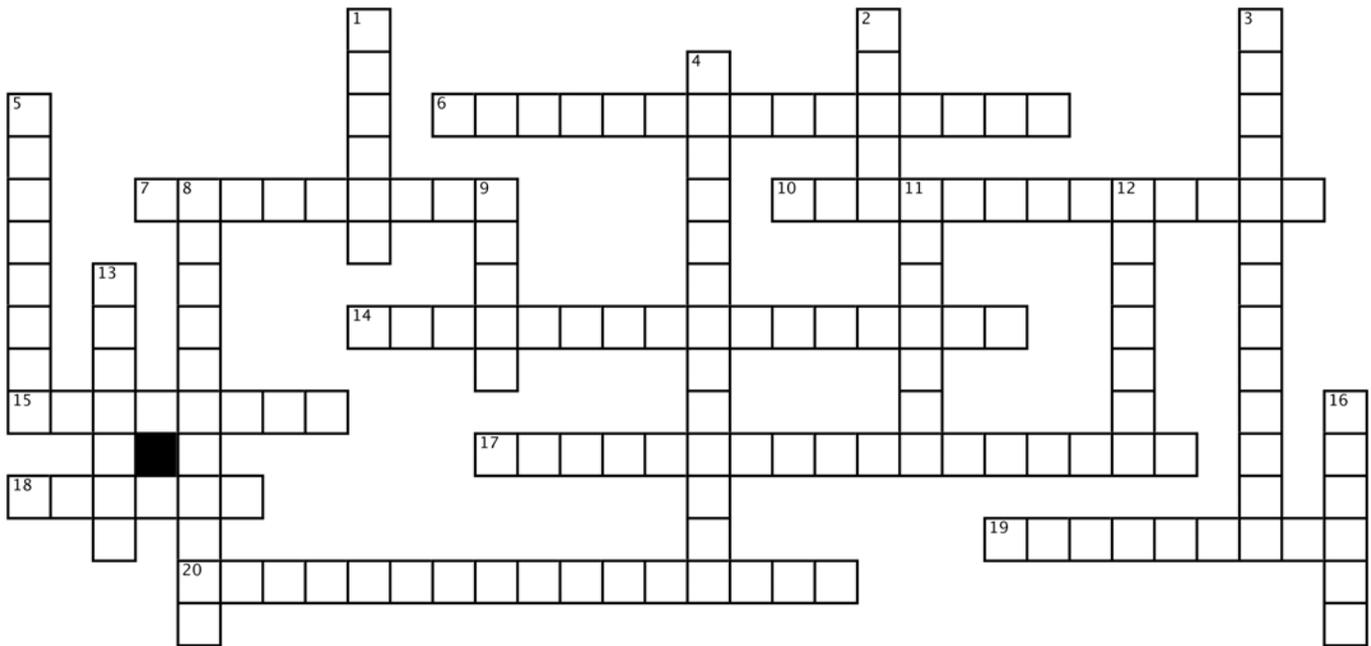# How Does Electricity Work?

Take our crossword challenge and test your knowledge of electrical science

Across

6. A circuit or part of a circuit connected in parallel ...?
7. A substance or medium that conducts heat, light, sound, or especially an electric charge ...?
10. When a coil of insulated wire wrapped around a soft iron core with electrical current flowing through the wire becomes magnetized, it is a ...?
14. A structural or procedural diagram, especially of an electrical or mechanical system ...?
15. 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 ...?
17. Electric discharge resulting from the accumulation of electric charge on an insulated body ...?
18. What's a device used to break or open an electric circuit or to divert current from one conductor to another ...?
19. A material that insulates, especially a nonconductor of sound, heat, or electricity ...?
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. The point or part of a system where energy or mass is added to the system ...?
2. What changes the motion, size, or shape of a body ...?
3. When circuit connections are made properly, current flows, the circuit is said to be a ...?
4. The wires and elements of a what are connected end to end?
5. A person devoted to designing, constructing, and operating the structures, machines, and other devices of industry and everyday life is called an ...?
8. When the wires of a circuit are disconnected, the circuit is said to be an ...?
9. To present an opposing force to; push back or away by a force ...?
11. What is the amount of electric charge flowing past a specified circuit point ...?
12. To cause to draw near or adhere by physical force ...?
13. A closed path followed or capable of being followed by an electric current ...?
16. What is usable heat or power ...?