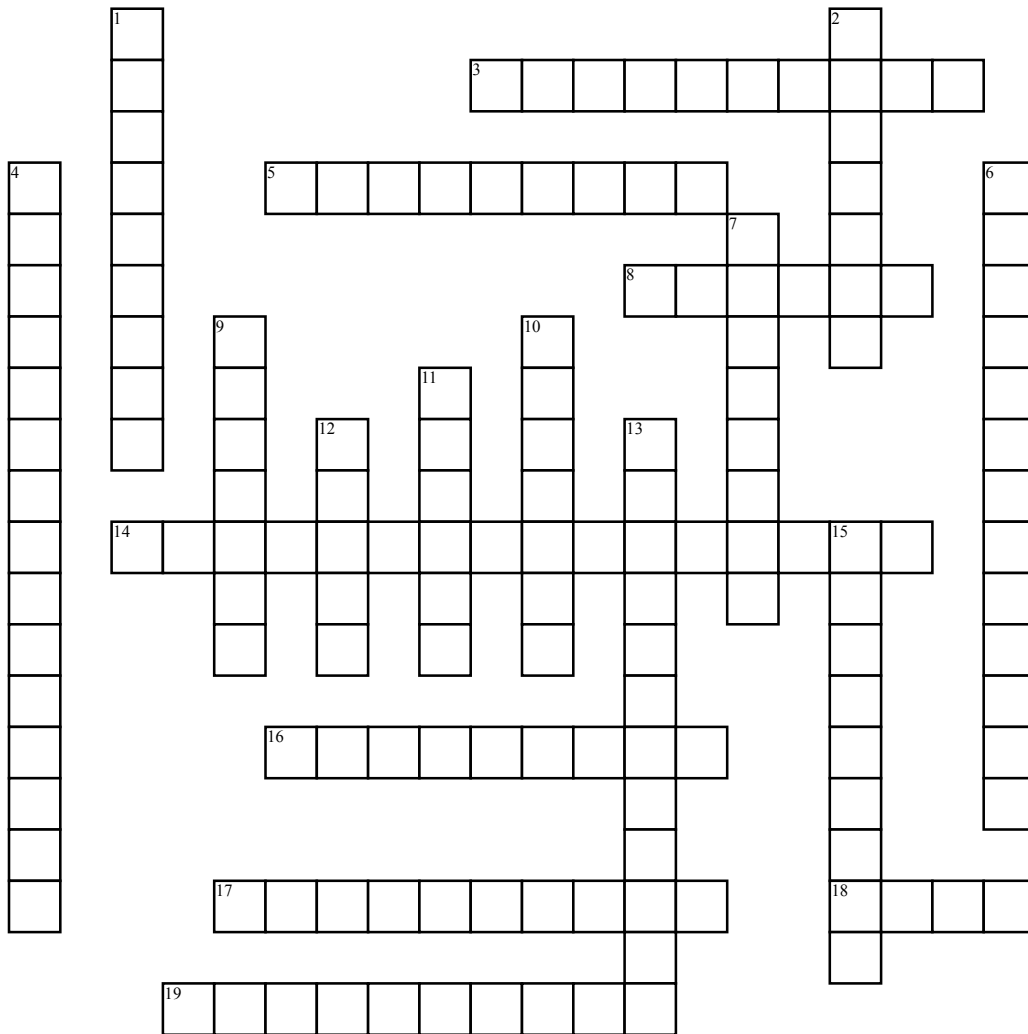


Electricity and Magnetism



Across

3. To be drawn towards by a force
 5. Does not allow electrons to move through easily; Resisting materials
 8. Electricity ; the net accumulation of electric charges on an object
 14. The Energy used from a tool depending on power required and the time it was used
 16. Allows electrons to move through easily
 17. Where a charge in an object occurs by electrons touching directly
 18. Law states that the current between two points is directly proportional to the voltage also present

19. The opposal, or boundary, keeping the flow of energy from flowing at a certain speed

Down

1. Where a charged object causes electrons to move around in an object without physically touching
 2. A closed loop system that electrons can run through
 4. The Rate that electrical energy converts to another form of power
 6. A magnet in which the electrical current runs through it by coils of wire
 7. Circuit; A circuit with two or more passage ways for energy to flow, and if one part is disconnected, the circuit will still work

9. The flow of electrical energy
 10. The pressure from an electrical current, $IR = \underline{\quad}$
 11. Circuit; A circuit in which there is only one path for the flow of energy, and if one part is disconnected, the whole thing stops working
 12. A machine, powered by electrical energy, that works and regulates energy by the moving parts inside
 13. An instrument that detects the presence of electrical charges
 15. A simple machine that converts mechanical energy into electrical energy

Word Bank

Conductor	Ohms	Circuit	Electroscope	Parallel
Electrical Power	Induction	Voltage	Current	Motor
Static	Electrical Energy	Electromagnet	Resistance	Insulator
Attraction	Generator	Series	Conduction	