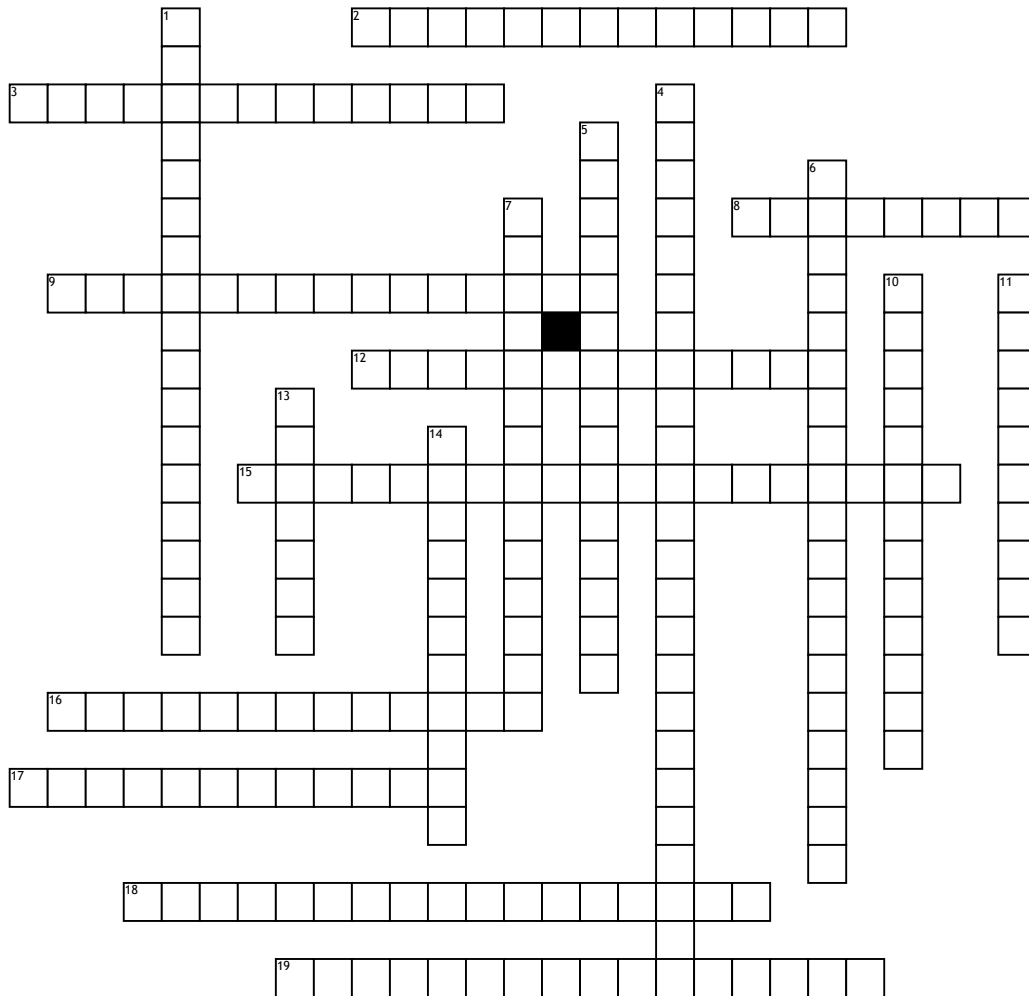


Electromagnetism By: Katarina Walsh Period 2



Across

- 2. it's made when you're wrapping a solenoid around an iron core
- 3. the area surrounding a magnet where magnetic can be detected is called the _____
- 8. a coil wire that carries an electric current, and therefore produces a magnetic field
- 9. the rate of flow of charges is called _____
- 12. changes electrical energy into mechanical energy
- 15. a material though which charges cannot move easily
- 16. when magnets exert a push or pull

- 17. when two magnets can push each other apart because of their ends or _____
 - 18. the buildup of electric charge on an object
 - 19. results when electric currents and magnetic fields interact with each other
- Down**
- 1. a device that converts mechanical energy into electrical energy
 - 4. the process of creating a current move freely
 - 5. the area surrounding a charge where electrical force can detect is called the _____

- 6. a material though which charges can move freely
- 7. a property that leads to electromagnetic interactions between the particles that make up matter
- 10. a special class of materials that conduct charge better than electrical insulators but not as well as electrical conductors
- 11. the opposition to the flow of electric charge is called _____
- 13. the amount of work required to move each unit of charge between two points
- 14. a device that increases or decreases the voltage of an alternating current

Word Bank

Electromagnetic Induction	Electric Motor	Semi Conductor	Transformer
Electromagnetism	Electrical Insulator	Solenoid	Voltage
Electrical Field	Magnetic Force	Electromagnet	Static Electricity
Electric Charge	Electric Generator	Electrical Conductor	Magnetic Field
Resistance	Electric Current	Magnetic Pole	