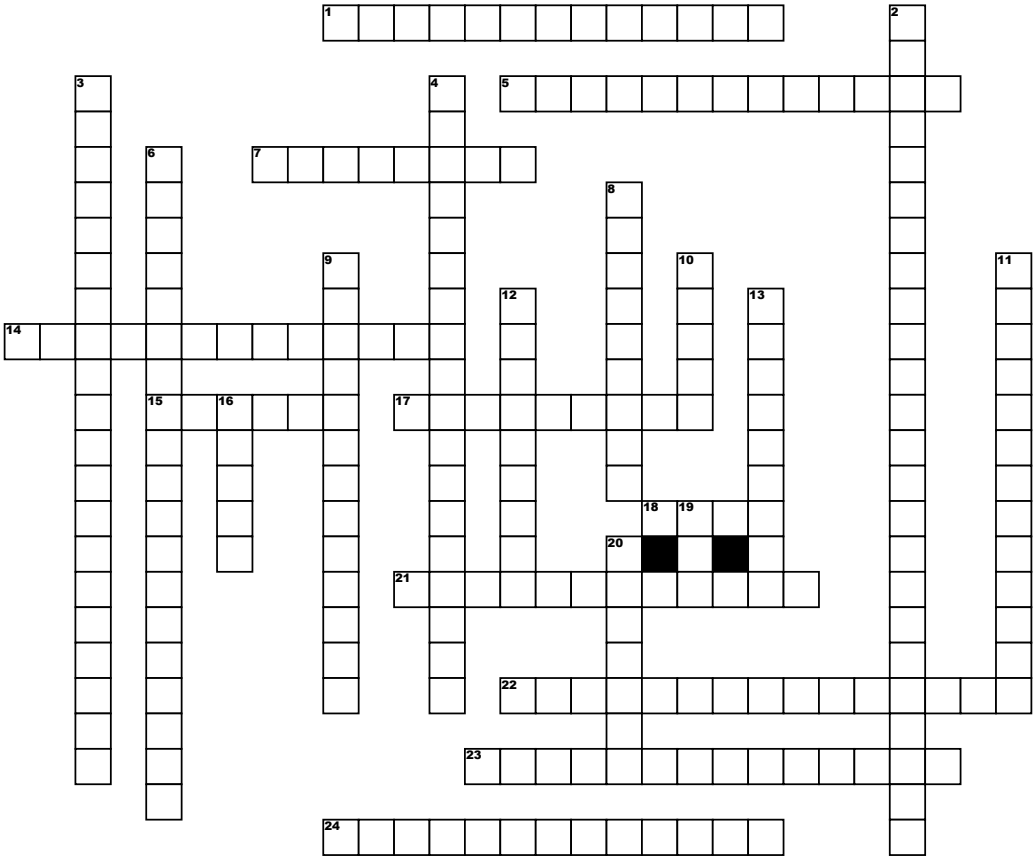
Name: _____ Date: _____ Period: _____

Electricity and Magnetism Crossword Puzzle



Across

1. a closed circuit in which the current follows one path.

5. Each of the points close to the extremities of the axis of rotation of the earth or another celestial body where a magnetic needle dips vertically.

7. a device having a designed resistance for passage of a electric current.

14. a soft metal core made into a magnet by the way of electric current through a coil surrounding it.

15. a unit of measure for the rate of electric flow or current in an conductor.

17. a material whose internal electric charges don't flow.

18. a electric potential between two points of a conducting wire.

21. an apparatus for reducing or increasing the voltage of an alternating current.

22. a closed circuit in which the current divides into two or more paths.

23. an area with a magnetic material in which the magnetization is in a uniform direction.

24. an area around an object within which a force would be exerted on other charged particles or objects.

Down

2. the production of an electromotive force across an electrical conductor.

3. a network that is a single resistor that could replace the entire network in a way that for a certain applied voltage.

4. an electric current that reverses its direction sometimes a second at regular intervals.

6. the difference of electrical potential of two points.

8. a substance in which electrical charges carry.

9. an area around a magnetic material and moving electric charge within which the force of magnetism acts.

10. doing motion or action.

11. an electric current flowing in one direction only.

12. where a conductor is placed in a changing magnetic field.

13. a machine that converts one form of energy into another one.

16. a supply with mechanical and electrical energy.

19. an electrical resistance between two points of a conductor.

20. an electromotive force or potential difference used in volts

Word Bank

Ampere	Equivalent resistance	Parallel circuit	Voltage
Power	Induction	Volt	Magnetic field
Direct current	Transformers	Conductor	Electric field
Insulator	Electromagnet	Ohm	Magnetic domain
Series circuit	Motor	Resistor	Alternating current
Electromagnetic induction	Potential difference	Generator	Magnetic poles