Name: _____ Date: _____ Period: _____

Unit 3 Vocabulary

1. A positively or negatively charged atom is called an..

2. Imbalance of electric change on an object

3. All charge object exert an _____ on each other

4. A material in which electrons can not move easily from place to place is called an..

5. Contain electrons that can move more easily in materials

6. This rapid movement of excess charge from one place to another

7. Source of electrical energy comes from..

8. Electric charges will flow continuously only through a closed conducting loop

9. Is a measure of how much electrical potential energy each electron can gain

10. The measure of how difficult it is for electrons to flow through a material

11. Simple relationship among voltage, current, and resistance in a circuit that is now know as..

12. Circuit that has only one path for the electric current to follow

13. Circuit that has more than one path for the electric current to follow

14. The rate at which electrical energy is converted into other forms of energy

15. Surrounds all magnets

16. Group of atoms with their fields pointing in the same direction

17. The region of space affected by Earths magnetic field

18. A current-carrying wire wrapped around an iron core

19. Any device that converts electric energy into kinetic energy

20. Device that uses a magnetic field to turn motion into electricity

21. Current to alternate from positive to negative. such a current is called a(n)..

22. Electrons flow in one direction

23. A device that changes the voltage of an alternating current with little loss of energy

A. electric force

B. direct current

C. insulator

D. electromagnet

E. magnetic field

F. ion

G. alternating current

H. conductors

I. electric power

J. generator

K. series circuit

L. voltage

M. Ohm's law

N. magnetic domain

O. motor

P. electric current

Q. resistance

R. static change

S. transformer

T. electric discharge

U. circuit

V. magnetosphere

W. parallel circuit