

## **Unit 10 Review Sheet**

**Directions:** Use your notes/handouts and vocabulary cards to answer the following questions on index cards or flaps.

**\*\*\*Study ALL Unit 10 vocabulary words\*\*\***

### **Section 1-Electric Charge and Static Electricity**

1. Atoms
  - a. Define
  - b. Draw an atom, label the 3 parts and identify their charges.
  - c. Give an example of a "neutral atom"
  - d. Give an example of an atom with a negative charge
  
2. Law of Electric Charges
  - a. Define
  
3. Static Electricity
  - a. Define
  - b. How is it produced?
  - c. Give 2 examples
  
4. Electric Discharge
  - a. Give 2 examples and explain why they are examples
  
5. Electric Charges
  - a. Name and describe three ways to charge an object
  
6. Electric Force
  - a. Define
  - b. What does electric force depend on?
  
7. Insulators
  - a. Give 3 examples and explain why they are examples
  
8. Conductors
  - a. Give an example and explain why it is an example

## **Section 2-Electric Current and Electrical Energy**

9. Electric Currents
  - a. Define
  - b. Unit for measuring currents
  - c. Describe alternating current and give an example of where it is used
  - d. Describe direct current and give an example of where it is used
10. Measuring Electricity
  - a. Describe voltage
11. Resistance
  - a. Define
  - b. Which three factors does resistance depend on?

## **Section 4-Electric Circuits**

12. Circuits
  - a. Define
  - b. Identify the three parts of a circuit.
13. Series Circuit
  - a. What is a series circuit and where would you find one?
  - b. Draw a series circuit
14. Parallel Circuits
  - a. What is a parallel circuit and where would you find one?
  - b. Draw a parallel circuit
15. Circuit Breakers and Fuses
  - a. How do circuit breakers and fuses help keep our homes safe?