

Unit 6 Retake Worksheet: Electricity and Magnetism

Name: _____ Period: _____ Date: _____

Part A: Vocabulary Review

Match the word to the correct definition.

1. ___ Circuit
2. ___ Conductor
3. ___ Insulator
4. ___ Magnet
5. ___ Electromagnet

- A. A material that blocks electricity
- B. A path electricity follows
- C. A magnet made using electricity
- D. A material that allows electricity to flow
- E. An object that attracts certain metals

Part B: Multiple Choice

6. What is electricity?
 - A. A type of rock
 - B. A form of energy
 - C. A plant
 - D. A magnet
7. What is needed for electricity to flow?
 - A. Open circuit
 - B. Closed circuit
 - C. Broken wire
 - D. No battery
8. Which is a conductor?
 - A. Plastic
 - B. Rubber
 - C. Copper
 - D. Wood
9. Which is an insulator?
 - A. Metal
 - B. Copper
 - C. Plastic
 - D. Iron
10. What do magnets attract?
 - A. Wood
 - B. Plastic
 - C. Iron
 - D. Paper
11. What happens when opposite poles meet?
 - A. Repel
 - B. Attract
 - C. Break
 - D. Melt

12. What does a generator do?
A. Uses electricity
B. Produces electricity
C. Blocks electricity
D. Stores energy

Part C: Short Answer

13. What is a circuit?

14. What is the difference between a conductor and an insulator?

15. What is an electromagnet?

Part D: Apply Your Learning

16. A student builds a circuit, but the light bulb does not turn on. Explain one reason why this might happen and how to fix it.

Part E: Draw & Label

17. Draw a simple circuit and label: Battery, Wires, Light bulb.
