

Name: _____

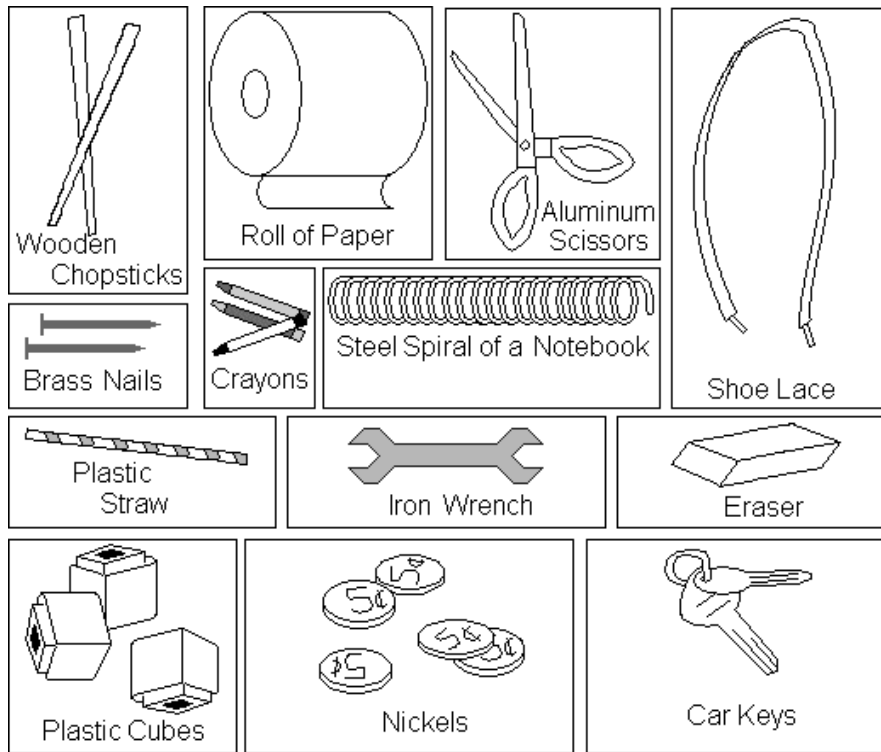
Date: _____

**“Magnetism and Electricity”
Summative Assessment**

1. **Draw** a complete circuit. **Label** all the parts. Use a crayon to **trace** the path electricity takes to light the bulb.

2. Describe the path that the electricity follows in sequence to light the bulb in your complete circuit.

3. Use these pictures to list:



Three conductors:

Three insulators:

1. _____

1. _____

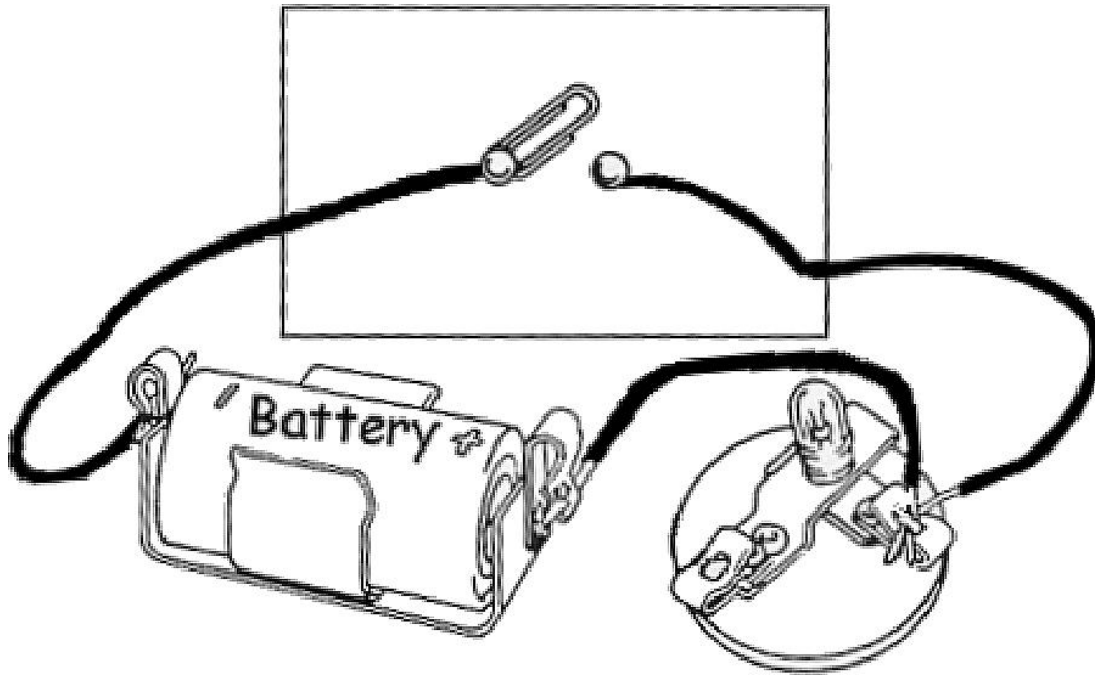
2. _____

2. _____

3. _____

3. _____

4. A student sets up this circuit. The bulb will not light. The battery and the bulb are in working order. **Circle any problems** you can find in the circuit.



As a troubleshooter, how would you make the bulb light?

5. List three objects that can be picked up by an electromagnet.

6. Two magnets are positioned 3 centimeters apart. What could happen to the magnets? Explain why.

7. List **two** advantages of a string of lights wired as a parallel circuit.
