

**ELECTRICAL CIRCUITS**

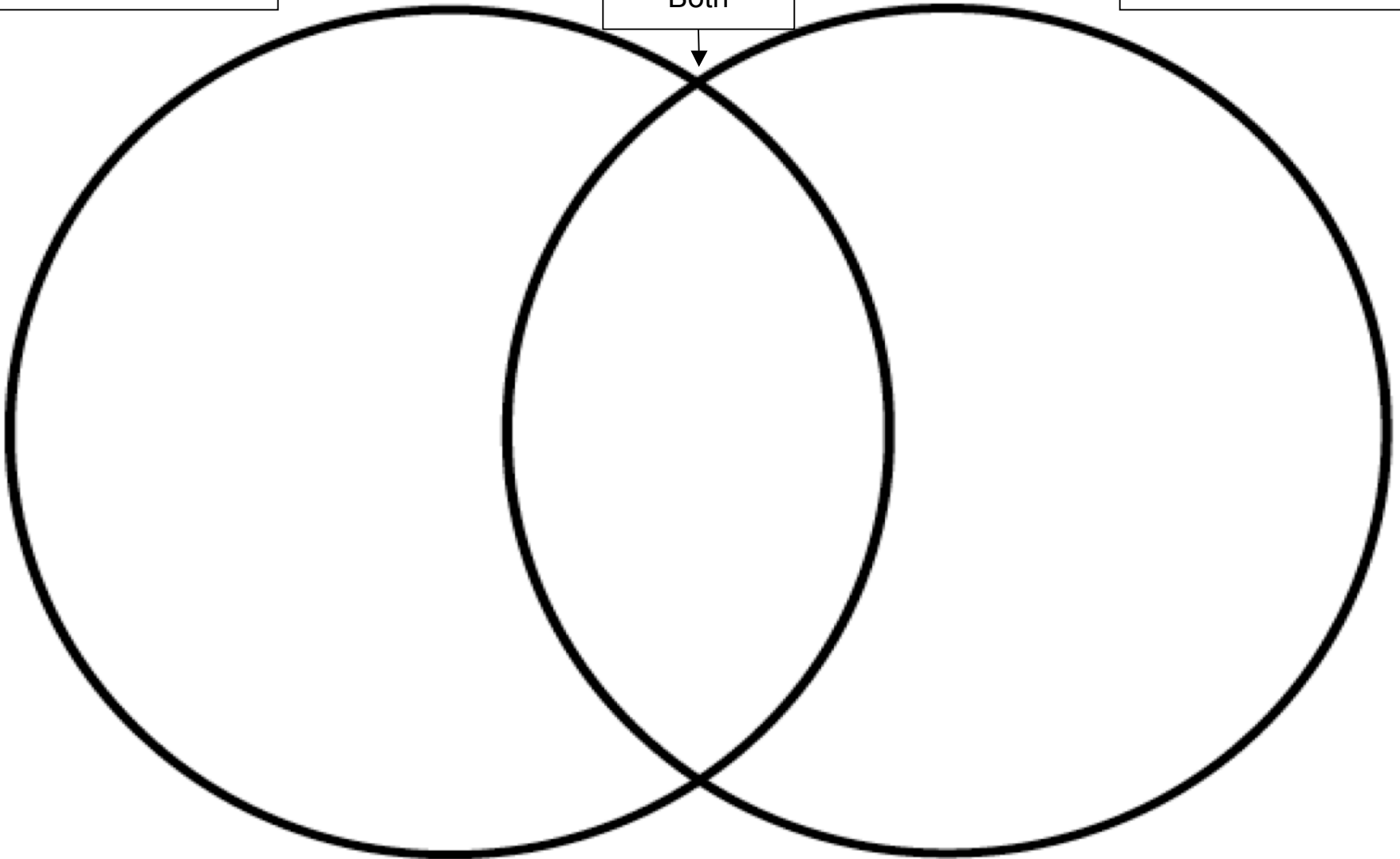
Name \_\_\_\_\_

**SERIES vs. PARALLEL**

Series Circuit

Parallel Circuit

Both



Name \_\_\_\_\_

**SERIES vs. PARALLEL**

Read each box below. Decide if the information in the box describes a series circuit, a parallel circuit, or both. Cut out each box and paste it in the correct part of the Venn diagram. Share your ideas with the class.

|                                                                         |                                                                                          |                                                                                           |                                                             |                                                     |
|-------------------------------------------------------------------------|------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------|-------------------------------------------------------------|-----------------------------------------------------|
| A closed circuit                                                        | If one bulb is removed or burned out, the other bulb(s) will stay lit.                   | When lights are added to the circuit, the electrical current flows through all the bulbs. | There is one path for the current to flow.                  | Requires wire, at least one battery, and two bulbs. |
| When lights are added to the circuit, the bulbs get dimmer.             | Uses electricity to light the bulb.                                                      | The type of circuits in homes and schools.                                                | There are two or more paths through which current can flow. | Used as holiday string lights.                      |
| If one bulb is removed or burned out, the other bulb(s) will not light. | When lights are added to the circuit, each is lit by its own path of electrical current. | When lights are added to the circuit, the bulbs remain the same brightness.               | Circuit will work if both bulbs are there and working.      |                                                     |