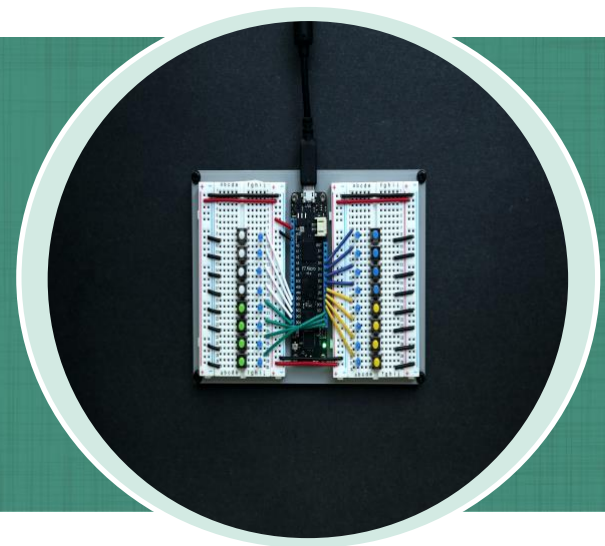


Building Parallel and Series Circuits

Electricity All Around Us
Learner Worksheet
Grade Level: 5-8



Group Member Names:

Series Circuit

1. Draw your group's example of a series circuit. Label the parts.

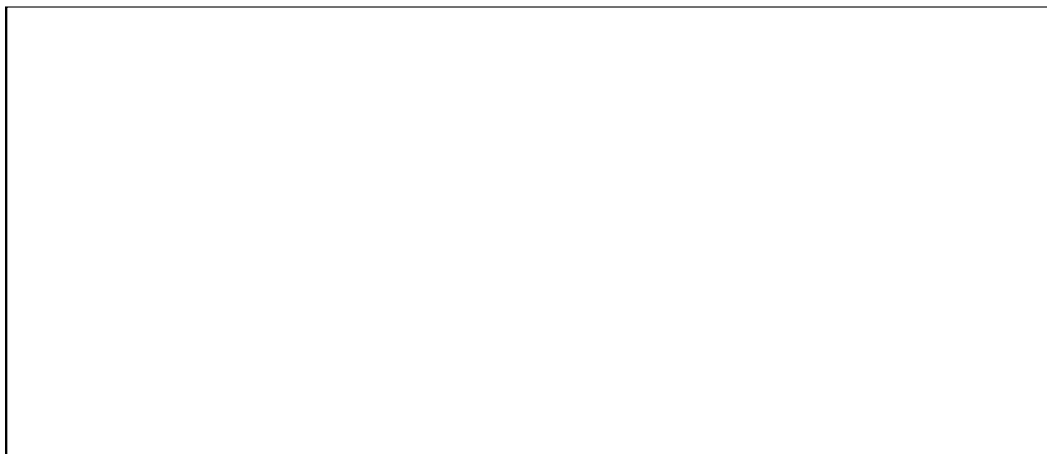
2. List your observations of the series circuit.

3. Loosen one of the light bulbs until it does not light up. What happens?

4. Tighten the light bulb you loosened, then loosen the other light bulb. What happens?

Parallel Circuit

5. Draw your group's example of a parallel circuit. Label the parts.



6. List your observations of the parallel circuit.

7. Loosen one of the light bulbs until it does not light up. What happens?

8. Tighten the light bulb you loosened, then loosen the other light bulb. What happens?

Comparison

Your educator will assign groups to build either parallel or series circuits. After groups have finished building their circuit, the groups should compare the differences between the two types of circuits.

9. What are the differences in light quality between the two circuits?

10. What is one difference between a series and parallel circuit?

11. What would happen if you added another battery to both the series and parallel circuit?

12. What other ways can you think of to light the bulbs?
