

# Electrical circuits

**EST**

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Complete this concept review handout and keep it as a record of what you have learned.

## Definitions

- An electrical circuit is \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_
- A series circuit is \_\_\_\_\_  
 \_\_\_\_\_
- A parallel circuit is \_\_\_\_\_  
 \_\_\_\_\_
- Kirchhoff's first law states \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_
- Kirchhoff's second law states \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

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## Minimal components of an electrical circuit

Component	Function
	_____ _____
Electrical resistance	_____
	_____ _____

## Applying Ohm's law and Kirchhoff's laws to series and parallel circuits

	Series circuit	Parallel circuit
Current intensity		
Potential difference		
Equivalent resistance		