

Name: \_\_\_\_\_

# Circuit concepts notes

## Circuits

- A circuit is a loop between two or more points where an \_\_\_\_\_ is carried.
- An electrical current is the flow of an \_\_\_\_\_.

## Circuit parts

- basic parts:
  - \_\_\_\_\_ (e.g. battery)
  - \_\_\_\_\_ (e.g. light bulb)
  - \_\_\_\_\_ (e.g. wires)
- optional parts:
  - \_\_\_\_\_
  - \_\_\_\_\_

## Current

- defined as the flow of electric charge
- measured in \_\_\_\_\_ ( \_\_\_\_\_ )
- symbol: A

## Voltage

- defined as the \_\_\_\_\_ electrical energy between two points
- the \_\_\_\_\_ from the source that pushes the electrons around the circuit
- measured in \_\_\_\_\_
- symbol: V



## Types of circuits

- simple circuits
- \_\_\_\_\_ circuits
- \_\_\_\_\_ circuits
- compound circuits

## Simple circuits

- A simple circuit includes a single source, a single load and wires.
- The voltage in the circuit is \_\_\_\_\_ to voltage from the single source.

