

## ELECTRICAL FUNCTION (AST)



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

### DEFINITIONS

- An electric current is \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

A direct current is \_\_\_\_\_  
\_\_\_\_\_

We also use the symbol \_\_\_\_\_.

- Alternating current is \_\_\_\_\_  
\_\_\_\_\_

We also use the symbol \_\_\_\_\_.

- An electrical function is \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

### ELECTRON FLOW

Type of current	Example	Direction of free electron flow
Direct current	Batteries	_____ _____
_____ _____	_____ _____	_____ _____

### ELECTRICAL CIRCUIT (OPEN OR CLOSED)

- In a closed electrical circuit, the current flows because \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_
- In an open electrical circuit, the current stops flowing because \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_



**ELECTRICAL FUNCTIONS AND COMPONENTS**

Electrical function	Component	Examples
Alimentation	Any electrical component that produces or supplies electric current in a circuit.	- Batteries - Battery packs _____
_____ _____	Any electrical component that can _____ _____ _____	_____ _____ _____ _____
_____ _____	Any electrical component that can _____ _____ _____	_____ _____ _____ _____
_____ _____	Any electrical component that can _____ _____ _____	_____ _____ _____ _____
_____ _____	Any electrical component that can _____ _____ _____	_____ _____ _____ _____
_____ _____	Any electrical component that can _____ _____ _____	_____ _____ _____ _____