

WALT compare and give reasons for variables in how components function.

It is early June in France 1940. you have heard on the radio the Germans are inching closer to the boarder. If Germany does invade France will be occupied meaning you're life will be in danger. In order to be safe you need create an alarm that would notify you if an intruder invades your home.

Your simple burglar alarm will sound an alarm if someone triggers it by walking on a sensor (switch)

WALT compare and give reasons for variables in how components function.

What components will you include in your circuit?

How many sensors (switches) will you use and what could they be made from?

How will you set up your circuit?

# WALT compare and give reasons for variables in how components function.

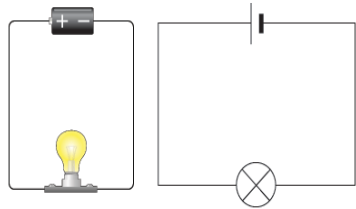
## *Circuit Diagrams*

Circuits are drawn using symbols instead of drawing of the real equipment. This is to make the drawings easier.

There are special symbols for everything that may be required in a circuit. See the picture on the left for these.

These are combined together to make **circuit diagrams**.


Look at the image below. On the left is a drawing and on the right is the circuit diagram using the proper symbols.



One of the most important parts of a circuit is the switch.

Watch the video below and see how to make a circuit with a switch for use in an alarm.

## Lets watch this vid

 [https://www.youtube.com/watch?v=tZuIEKzWhbk&feature=emb\\_title](https://www.youtube.com/watch?v=tZuIEKzWhbk&feature=emb_title)

WALT compare and give reasons for variables in how components function.

## Task

Draw a circuit diagram of the best burglar alarm.

Explain how it works. Remember we want it to be LOUD!