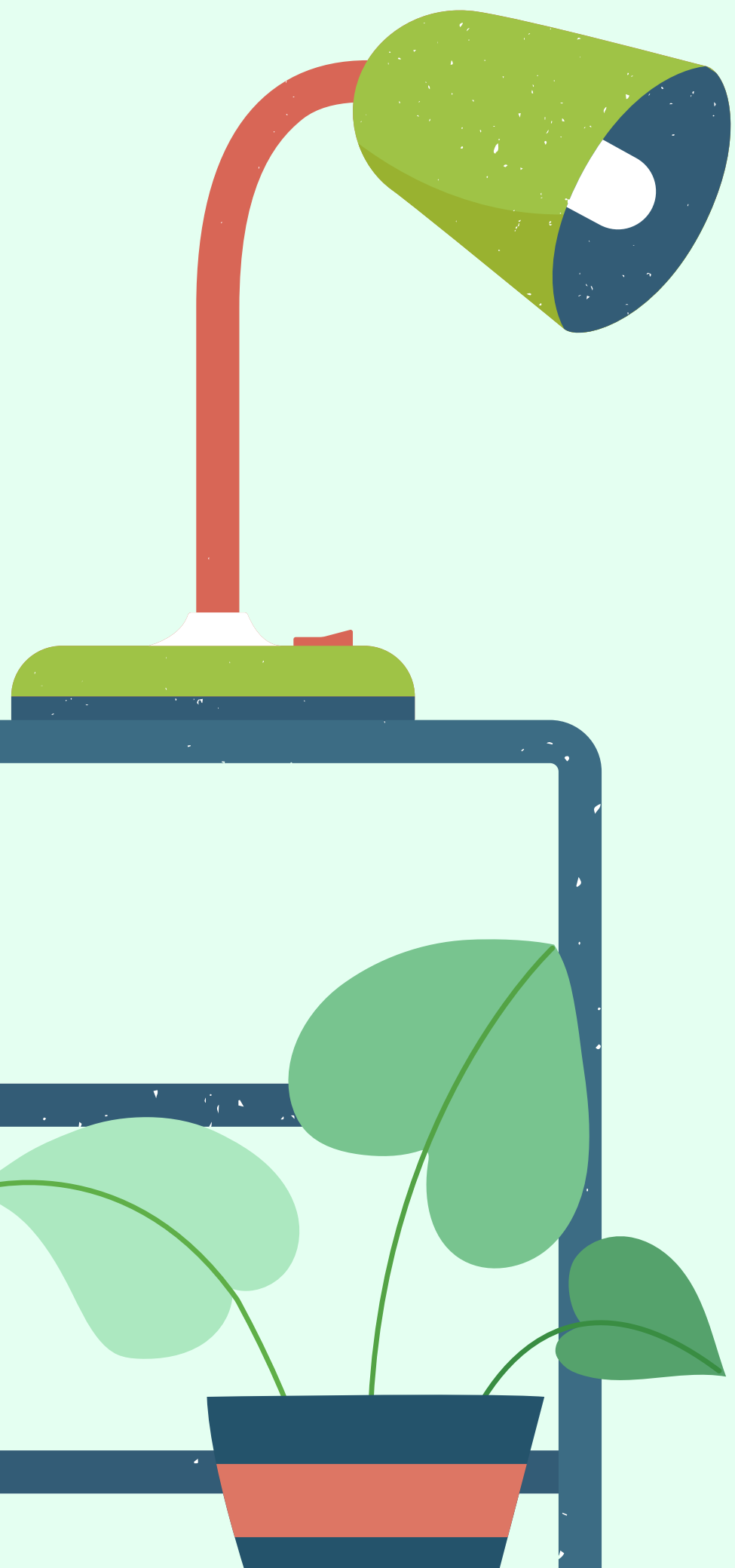
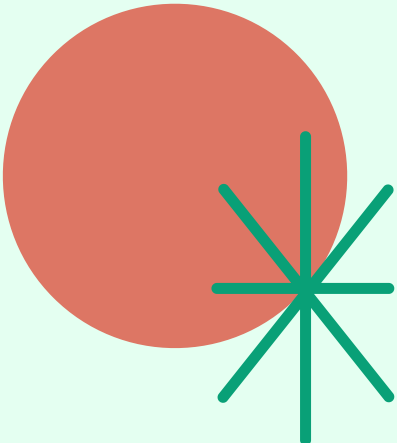




WORKSHOP VIVA





WELDING

Define welding process?

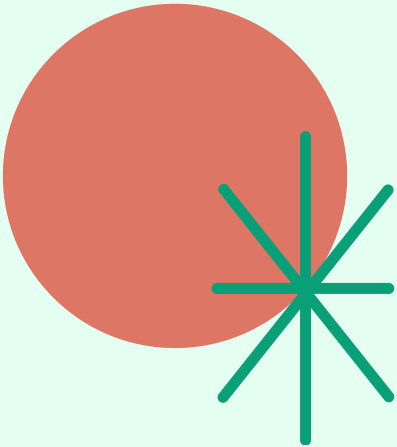
Welding is a fabrication process that joins materials, usually metals or thermoplastics, by using high heat to melt the parts together and allowing them to cool, causing fusion.

Difference between welding, brazing & soldering ?

Welding: To join work pieces need to be heated till their melting point. Soldering: Heating of the work pieces is not required.

Brazing: Work pieces are heated but below their melting point.





WELDING

Define the working principle of arc welding

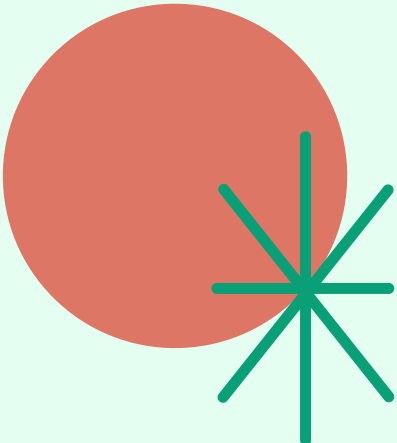
In arc welding, positive voltage is applied to the electrode (welding rod/wire) and negative voltage is applied to the base material. This makes an arc occur from the base material to the electrode

How electronic classified and what type of electronic you used in lab

There are 2 types of electrode consumable and non-consumable.

Consumable electrode is used in lab





WELDING

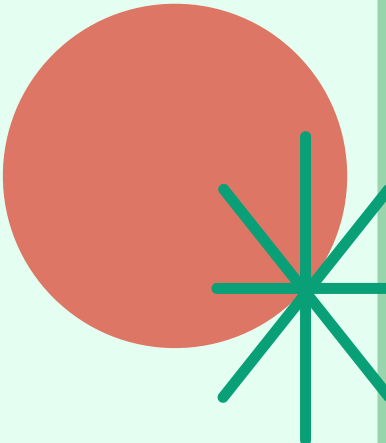
Name the different type of welding joints

Butt joint welding. Tee joint welding. Corner joint welding. Lap joint welding. Edge joint welding.

Tools that you use in welding labs

Face shield, table clamp, consumable electrode, chipping hammer and tong





WELDING

What is the material of electrode?

a metal rod made of steel or wrought iron; the flux material around it contains cellulose, silica and oxides of various metals, such as Fe, Mn, Al, Ti, Ca

What is voltage and current of transformer

Voltage 240-80v. Current 120 to 140 amphere

Name the material of job

Material of job is made up of mild steel



Name the various type of welding process

