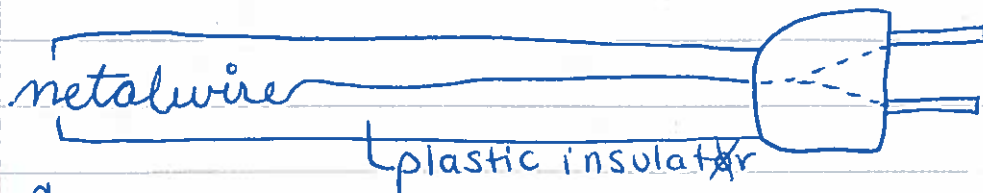


# Electrical Circuits

electrical outlet



Conductor: allows electricity to pass through easily



C	I
metals	rubber
metal clip	plastic
Copper penny	wood
Aluminum foil	glass
Gold, silver	Cloth
	electrical tape

oven mit  
yeti

Insulators: DO NOT allow electricity to pass!

electric current: the flow of electrons through a conductor.

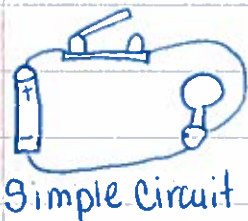
electric

Circuit: a complete path electricity travels through to power an electrical device.

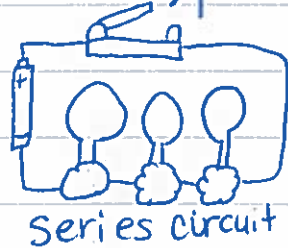
★ Electrical Circuits need 4 parts:

① Source	② load	③ connector	④ Switch
battery plug	Device (lamp, remote control)	wires	on/off switch

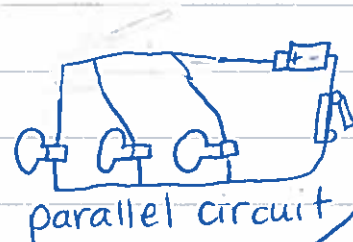
Not really needed



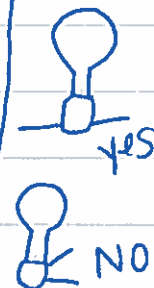
Simple Circuit



Series circuit



parallel circuit



Switch



open is OFF

No electric current can flow



Closed is ON  
device turns ON

