

Difference between a cell and a battery

❖ Introduction

- *Ok so in this video we are going to understand the working of a battery because it is the thing which can actually make your robots to work and for working with different set of robots and sensors not every time, we will require the same supply of energy sometime it may be higher or sometime it maybe lesser. So, we need to work on this current and voltage accordingly so that the robot works in an efficient manner. So, in this video we are going to see what is a battery what are the different types of battery and everything related to it.*

So, on that note lets jump into the slides.

❖ Battery

- *So, battery is an electro chemical cell and, in this battery, what happens is that the chemical energy is converted into electrical energy.*

So, on that note let's jump to the next part

❖ Classification of Battery

- So, there are two types of batteries one known as Primary Battery and the other is Secondary Battery. Primary batteries are which can't be recharged and the secondary batteries are rechargeable. Your phone is the best example of Secondary battery and the cell in you tv remote is an example of primary battery.

So, on that note let's jump to the next part

❖ Difference

- A single unit is known as a cell and two or more units combine; they form a battery.

So, on that note let's jump to the next part

❖ Circuit Symbol

- The most important thing is the circuit symbol. So first I will show you how to draw a symbol for a cell, so in cell there are two ends the flat side being negative and the other is the positive. So, if you want to draw the symbol of the cell the first step is very easy you need to draw a longer line and a short line, so here the long line is the positive and the short line is the negative. Now we will label these lines as + and −, so this is the symbol of a cell. Now we will draw the two-cell-battery in this we have two cell and each cell has its + and − so we have 2 positives and 2 negatives, so first of all we will draw a longer line then a short line then a longer line and then a short

line like this and then label the left side as + and right side as -, so this is a symbol of a two-cell-battery. If it's a battery more than two cells it will be accordingly.

❖ Home Work

→ What I want you to do is take a paper and in that draw a symbol of 4 cell battery and 3 cell battery and post it on your Instagram and tag me.

SO, I HOPE THAT YOU HAVE UNDERSTAND ALL THE TOPICS WHICH ARE COVERED IN THIS VIDEO AND IN THE NEXT VIDEO I WILL EXPLAIN IT UNITS MORE BRIEFLY IF YOU HAVE ANY QUERY, PLEASE COMMENT IT DOWN AND PLEASE CHECK THE NOTES OF THIS VIDEO WHICH I HAVE PROVIDED THE LINK IN THE DESCRIPTION OF THIS VIDEO DO SUBSCRIBE MY CHANNEL AND PUNCH THE LIKE BUTTON ON YOUR SCREEN AND I WILL SEE YOU IN THE NEXT VIDEO UNTILL THEN BOE BYE!!