

UNIT 5

ELECTRICITY AND ITS MEASUREMENT

Activities

1. Copy in the left column the following definitions, and in the right column, the magnitudes that was defined: *They are made up of atoms whose electrons (conduction band) are able to escape from the atom's influence. - Potential difference between two points in a circuit.- These materials, such as glass, the outermost electron in the atom is tightly bonded to the nucleus.- Indicated the opposition which materiel have to electric current passes through it.- Expresses the energy consumed by a receiver per second.- It is calculated by multiplying the voltage, the intensity of the electric current that runs through it, and the time it is working.- Expresses the amount of electric charge flowing through the circuit per second.-*

2. Complete the middle and right columns with the corresponding magnitudes and its units.

FORMULA	MAGNITUDE	UNIT
$? = V/R$		
$? = V/I$		
$? = R \cdot I$		
$? = V \cdot I$		
$? = V \cdot I \cdot t$		
$? = R \cdot I^2$		
$? = R \cdot I^2 \cdot t$		
$? = V^2/R$		
$? = E/t$		
$? = P \cdot t$		
$? = P/I$		
$? = P/I^2$		