Energy and voltage - what batteries run out of



The amount of energy associated with a charge is called the voltage or potential at that point. Potential decreases through the bulb to zero on the far side. Charges don't get used up, but energy spreads out thinner and thinner.

Measuring voltage – comparing potentials



Potential difference in volts is the number of joules of energy shifted per coulomb of charge passing through a component.

Voltmeters are connected in parallel so they can sample the potential at two points.

potential difference = energy shifted / charge (moving through a component)

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