

PHYSICS DEFINITIONS GRADE 12 - FILL IN THE MISSING TERM

CIRCUITS AND ELECTROSTATICS

CIRCUITS:

Ohm's law – the _____ across a conductor is _____ proportional to the _____ in the conductor at constant _____

Potential difference – the _____ transferred per unit electric _____ flowing through it

Emf – the _____ done per unit _____ by the source

Terminal potential difference – the _____ measured across the terminals of a battery when _____ are flowing in the circuit

Current – the _____ of _____ of _____

Resistance – the _____ of the _____ across a resistor to the current in the resistor / the _____ to the flow of electric charges

ELECTROSTATICS:

Coulombs law – the _____ of the _____ force exerted by one point charge on another _____ charge is _____ proportional to the _____ of the magnitudes of the _____ and _____ proportional to the _____ of the _____ between them

Electric field – a _____ of space in which an electric _____ experiences a _____

Electric field at a point – the _____ force experienced per unit _____ placed at that _____