

PHYSICS DEFINITIONS GRADE 11 - FILL IN THE MISSING TERM

ELECTROSTATICS AND CIRCUITS

ELECTROSTATICS:

Coulombs law – the _____ of the _____ force exerted by one 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

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