

# 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