# PHYSICS DEFINITIONS GRADE 10 - FILL IN THE MISSING TERM

## ELECTROSTATICS, CIRCUITS, AND MAGNETISM

**ELECTROSTATICS:**

Principle of conservation of charge – the charge of an system remains during any physical process

Principle of charge quantization – all charges in the universe consist of an of the charge on one

Polarisation – the or polar separation of positive and negative electric charge in a system

**CIRCUITS:**

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 when charges 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

**MAGNETISM:**

Magnetic field – a in space where a magnet or ferromagnetic material will experience a

Ferromagnetic materials – materials that are attracted by magnets and are easily magnetised

Non-contact force – a force exerted on an object without the object

Electric field – a in space where an electric charge will experience an

Gravitational field – a in space where a mass will experience a gravitational

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