

# MAGNETISM AND ELECTROMAGNETISM



Match each word with its definition:

SLIP-RINGS

A material that a magnet is attracted to.

INDUCED MAGNET

This end of a magnet points north.

RIGHT HAND GRIP RULE

This end of a magnet points south.

FLUX DENSITY

Magnetism cannot be turned on and off, always has a north and south pole, and so the magnet always has its own magnetic field.

SOUTH-SEEKING POLE

When put into a magnetic field, this object will become a magnet, and loses magnetism when removed again.

PERMANENT MAGNET

If you know the direction of the current, you can work out the direction of the magnetic field.

MAGNETIC

A long coil of wire.

SOLENOID

A large current being controlled by a component with a smaller current.

RELAY

The number of magnetic flux lines there are within a given area.

NORTH-SEEKING POLE

Allow continuous contact between the oscilloscope connections and the sides of the coil that are rotating.

