

MAGNETIC EFFECT OF CURRENT

Use the following words to complete the statements below:

magnetic, circular, grip, thumb, larger, turns, iron, closer, electromagnet

ACROSS

3. The right-hand _____ is used to find the direction of the magnetic field lines.
4. When a current passes through a coil, it becomes an _____.
5. The poles can be found by using the right-hand grip - if the fingers of the right hand grip the coil in the direction of the current, the _____ points to the N pole.
6. The strength of the magnetic field inside the coil is increased by using a _____ current.

DOWN

1. When an electric current passes through a wire, it produces a _____ field.
2. The lines of flux (magnetic field) in a straight wire are _____.
7. The strength of the magnetic field inside the coil is increased by using more _____ of wire on the coil.
8. The strength of the magnetic field inside the coil is increased by using a "soft" _____ core.
9. The strength of the magnetic field inside the coil is increased by bringing the poles _____ together.

