

# Let's Make an Electromagnet

You will need:

- about 4 yards of insulated wire
- a nail
- 1½-volt dry cell battery

Steps to follow:

1. Wrap the insulated wire in the same direction around a nail approximately 50 times.
2. Remove the insulation from both ends of the wire and attach the ends to the battery terminals. This will form a complete circuit.
3. Now test the magnet with a metal object.
4. Disconnect one end of the wire from the battery. What happens?

---

---

5. Make a list of the materials that you found were attracted to the electromagnet.

---

---

---

---

6. Make a list of the materials that were not attracted to the electromagnet.

---

---

---

---

