

# Module Assessment, Part 1



**Circle the letter of the choice that correctly completes the sentence.**

- 1** A \_\_\_\_\_ is a material that attracts steel, iron, cobalt, and nickel.
- A. compass                      C. domain  
B. mineral                      D. magnet
- 2** When two magnets push away from each other they \_\_\_\_\_.
- A. attract                      C. magnetite  
B. repel                      D. electromagnet
- 3** A/an \_\_\_\_\_ is a group of atoms whose magnetic fields are aligned.
- A. compass                      C. domain  
B. electromagnet              D. magnetite
- 4** The area around a magnet where the magnetic forces act is called the \_\_\_\_\_.
- A. magnetic field              C. magnetic domain  
B. magnetic north pole      D. magnetic pole

**Answer the questions.**

- 5** How do you make an electromagnet?

---

---

- 6** Why does the north pole of a compass needle always point toward Earth's magnetic north pole?

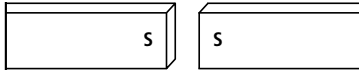
---

---

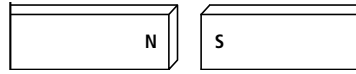
# Module Assessment, Part 2



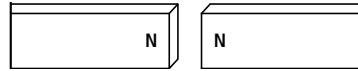
Look at the pictures below. Each shows the poles for a pair of magnets. Label each picture to tell if the magnets will **attract** or **repel** each other.



**7** \_\_\_\_\_

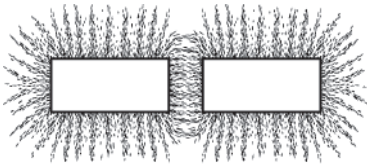


**8** \_\_\_\_\_

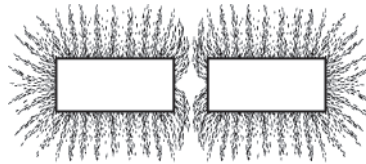


**9** \_\_\_\_\_

Look at the pictures below. They show iron filings around two pairs of ferrite magnets. Label the pictures to tell which magnets are attracting and which repelling. Write **attracting** or **repelling** on the lines provided.



**10** \_\_\_\_\_



**11** \_\_\_\_\_

# Module Assessment, Part 3

**Materials:**

- 1 battery
- 1 battery holder
- 1 iron rivet
- 1 paper clip
- 1 wire coil

- 12** Use the materials to make an electromagnet that can pick up the paper clip. Draw what you put together.

A large, empty rectangular box intended for the student to draw their electromagnet construction.

- 13** How can you change your electromagnet to make it stronger?

---

---

---