

Chapter 9

Use with Section 1

REINFORCEMENT

• What is magnetism?

Match the terms in Column II with the descriptions in Column I by writing the letter of the correct term in the blank at the left.

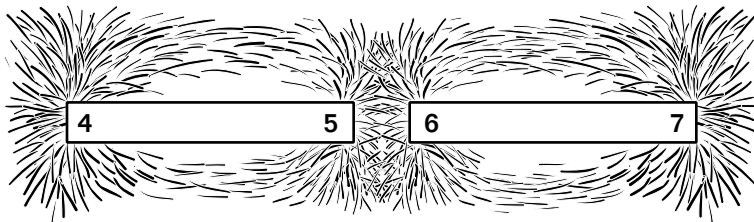
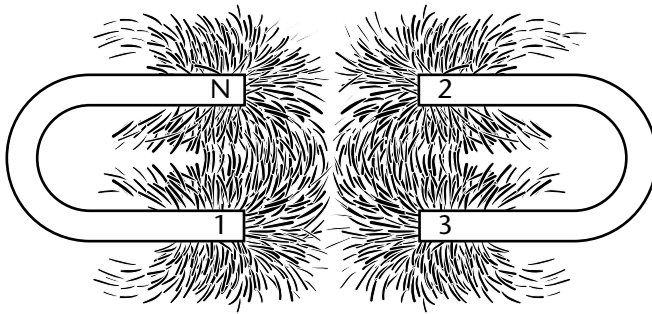
Column I

- \_\_\_\_\_ 1. A stone that attracts iron
- \_\_\_\_\_ 2. It affects only objects that have magnetic domains
- \_\_\_\_\_ 3. A group of atoms with aligned magnetic poles
- \_\_\_\_\_ 4. The Earth's magnetic field
- \_\_\_\_\_ 5. It weakens as you get farther from the magnetic poles

Column II

- a. magnetic domain
- b. magnetic field
- c. magnetic force
- d. magnetite
- e. magnetosphere

Study the pattern of iron filings around each set of magnets below, then answer the questions.



- 6. How would you label pole 1? \_\_\_\_\_
- 7. How would you label pole 2? Why? \_\_\_\_\_  
\_\_\_\_\_
- 8. How would you label poles 5 and 6? Why? \_\_\_\_\_  
\_\_\_\_\_
- 9. How could you use iron filings to tell which of two bar magnets is stronger? \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_