

Lesson Quiz B**LESSON 1****Magnets and Magnetic Fields****Matching**

Directions: On the line before each definition, write the letter of the term that matches it correctly. Not all terms are used.

- | | |
|--|--------------------------------|
| _____ 1. a group of atoms that has all like poles pointing in the same direction | A. magnetic field lines |
| _____ 2. the place on a magnet where the force it exerts is the strongest | B. magnetic pole |
| _____ 3. the attraction or repulsion applied by a magnet to another magnet | C. temporary magnet |
| _____ 4. material that loses magnetism outside a magnetic field | D. compass |
| | E. magnetic force |
| | F. magnetic domain |

Multiple Choice

Directions: On the line before each question or statement, write the letter of the correct answer.

- _____ 5. Which characteristic would atoms of a ferromagnetic material have?
- A.** a lack of electrons
 - B.** north and south poles
 - C.** a temporary magnetic field
 - D.** the ability to attract nonmagnetic materials
- _____ 6. Which statement about magnetic field lines is **NOT** correct?
- A.** They show how magnetic fields combine.
 - B.** They show the strength of the magnetic field.
 - C.** They show the direction of the magnetic field.
 - D.** They show that magnetic fields extend outward in straight lines.
- _____ 7. Which element is ferromagnetic?
- A.** iron
 - B.** carbon
 - C.** oxygen
 - D.** hydrogen
- _____ 8. Atoms arranged in magnetic domains that have unaligned poles would be found in a
- A.** glass jar.
 - B.** steel nail.
 - C.** bar magnet.
 - D.** plastic comb.