

Key Concept Builder 

LESSON 1

Magnets and Magnetic Fields

Key Concept What types of forces do magnets apply to other magnets?

Directions: Answer each question or respond to each statement on the lines provided.

1. What does every magnet have?

Two magnetic poles North and South

2. **List** three characteristics of magnetic poles.

Poles are where the magnetic force is strongest.

All magnets will have 2 poles

A magnet broken in half will make two smaller magnets.

3. **Describe** the different ways two magnets can exert forces on each other.

Like Poles: REPEL

Unlike Poles: ATTRACT

4. **Describe** the relationship between magnetic force and distance.

Magnetic forces get stronger as they get closer, then weaker as they get farther a part.

5. What are two everyday appliances that use magnets?

Computers, speakers, iPods, bells, refridgerator seal, or anything that has an electric motor.

6. What is the likely origin of the word *magnet*?

Comes from the ancient city in Greece.....Magnesia

7. **List** four different magnetic shapes.

Bar, Horse Shoe, Flat, Disk, Round