

Quick Vocabulary

Lesson 1

align to arrange in a straight line

element substance made up of only one kind of atom

ferromagnetic element includes iron, nickel, and cobalt—elements that have an especially strong attraction to magnets

field space in which a given effect, such as magnetism, exists

magnet any object that attracts the metal iron

magnetic domain group of atoms whose magnetic fields point in the same direction

magnetic force attraction or repulsion between magnets

magnetic material is strongly attracted to a magnet

magnetic pole place on a magnet where the force it exerts is the strongest

permanent magnet keeps its magnetism after being removed from the magnetic field

temporary magnet quickly loses its magnetism after being removed from a magnetic field

Lesson 2

electric motor device that uses an electric current to produce motion

electromagnet a magnet created by wrapping a current-carrying wire around a ferromagnetic core