

# Vocabulary



**magnetic field** the area around a magnet where magnetic forces act

The magnetic field exists all around a magnet, but it is strongest at the magnet's poles. Iron filings can be used to show where the magnetic field exists around a magnet. The most iron filings collect in areas where the magnetic field is strongest.

**magnetic poles** the parts of a magnet where the magnetic force is strongest

Magnets have two poles—a north pole and a south pole. Like magnetic poles repel each other. Unlike magnetic poles attract each other.