

# Vocabulary

## Vocabulary

*Study the vocabulary words and definitions below.*

**attract** ..... to draw or pull toward itself (e.g., a magnet attracts iron)

**compass** ..... an instrument with a magnetized needle that points to magnetic north; used to determine direction

**demagnetize** ..... to remove the magnetic properties from a magnet

**electromagnet** ..... a device that creates a magnetic field made by connecting a coil of wire to an electric current

**electromagnetic effect** ..... the tendency of flowing electrons (electricity) to produce magnetic fields and the tendency of moving magnetic fields to cause electrons to flow

**induced** ..... caused, created, or produced

**law of magnetic poles** ..... like magnetic poles repel and unlike magnetic poles attract

**like poles** ..... the same poles; the poles of magnets that repel each other

# Vocabulary

- lines of force** ..... imaginary lines that show a magnetic field
- magnet**..... a substance that attracts or pulls on other substances, especially those made of or including iron
- magnetic** ..... of or relating to a magnet or to magnetism
- magnetic field** ..... the space around a magnet where a force is noticeable
- magnetic north** ..... the magnetic pole located in the north about 800 miles from the North Pole; also known as the North Magnetic Pole
- magnetic south** ..... the magnetic pole located near the South Pole; also called the South Magnetic Pole
- magnetic variation** ..... for navigational purposes; the angle between the North Magnetic Pole and the actual geographic North Pole
- magnetism** ..... a property of matter that creates forces that attract or repel certain substances
- magnetize** ..... to become magnetic; to make into a magnet
- nonmagnetic** ..... anything that is not attracted to a magnet

# Vocabulary

- North Pole** ..... the northern end of Earth's axis
- north pole** ..... the end of the magnet that points to the north (if free to move)
- northern lights** ..... lights that are sometimes seen in the skies of the northern regions and are thought to be caused by the ejection of charged particles into the magnetic field of Earth
- poles** ..... the ends of a magnet where the magnetic field is strongest
- repel** ..... to push away
- South Pole** ..... the southern end of Earth's axis
- south pole** ..... the end of the magnet that points to the south (if free to move)
- unlike poles** ..... the opposite poles; the poles of magnets that attract each other