

Magnets



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Glossary

attract to pull toward; *attraction* the act of attracting

compass instrument that points to magnetic north

electric motor machine that changes electrical energy into mechanical energy

electromagnet temporary magnet made when electric current flows through a wire wrapped around an iron or steel rod or center

field lines invisible lines around a magnet that show the direction of the magnetic field; *lines of force*

force push or pull

friction force caused by objects rubbing together that makes them slow down or stop

generator machine that changes mechanical energy into electrical energy

lodestone magnetic rock found in nature; *magnetite*

magnet object that pulls iron and steel objects to itself

magnetic able to be attracted by a magnet; able to be magnetized

magnetic field space around a magnet where the force of the magnet acts

magnetic north pole one of Earth's two magnetic poles

magnetic poles places on a magnet where the magnetic force is the strongest

magnetic south pole one of Earth's two magnetic poles

magnetism force of a magnet

magnetite magnetic rock found in nature; *lodestone*

metal element that is usually hard and shiny in its pure form

nonmagnetic not able to be attracted by a magnet; not able to be magnetized

north-seeking (N) pole pole of a magnet that points north

permanent magnet magnet that holds its magnetic properties for a long time

repel to push away; *repulsion* the act of repelling

south-seeking (S) pole pole of a magnet that points south

temporary magnet material that has been magnetized but cannot hold its magnetism for long