NAME _____ CLASS _____ DATE _____

Graphic Organizer

Process or Cycle Chart

Magnets can attract.(pull together) Magnetic attraction is caused by a magnetic force. Every magnet has two poles.(north and south) The ends are the poles. A magnet is strongest at the poles. Two like poles (repel or push away). Two unlike poles attract.(n,s) If magnets were going to line up in a line, they would line up from the north to south direction because of the Earth.

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A compass is a tool for helping you with directions. The needle in the compass is a magnet. The needle lines up with the Earth's magnetic field. In the 1800's a scientist name Michael Faraday invented the electromagnet. An electromagnet is an electrical circuit that produces a magnetic field.

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High speed trains travel through the interaction of magnetism and electricity. Electromagnets are in all speakers causing sound to be produced. Sound is caused by a movement or vibration.

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examples of things that use electromagnets- telephone, stereo, loudspeaker, doorbell, guitar, train,appliances, microphone, car recycling places,tv

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