

Name: \_\_\_\_\_ Date: \_\_\_\_\_

# Magnetism and Electromagnetism Notes

## Vocabulary:

\_\_\_\_\_ is a form of energy sometimes created but the movement of charged particles.

A material through which charges can easily flow is a \_\_\_\_\_.

\_\_\_\_\_ is the continuous flow of electric charges through a material.

A \_\_\_\_\_ is any material that attracts iron and materials that contain iron.

The attraction or repulsion of magnetic material is called \_\_\_\_\_.

Any magnet has two ends called \_\_\_\_\_.

The area of magnetic force around a magnet is known as its \_\_\_\_\_.

A \_\_\_\_\_ is a device that has a magnet on a needle that spins freely.

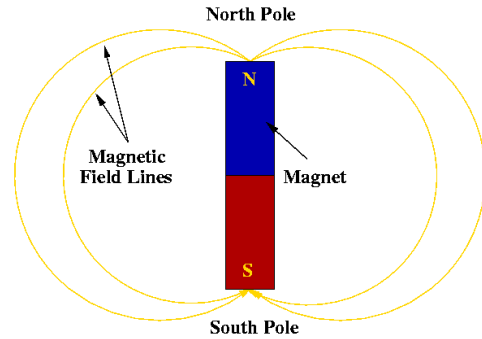
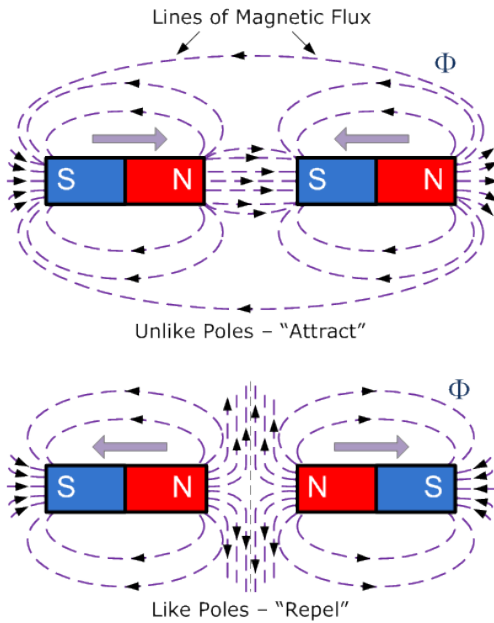
\_\_\_\_\_ occurs because whenever there is electricity, there is magnetism.

A coil of wire is called a \_\_\_\_\_.

A solenoid around a strong magnetic material becomes an \_\_\_\_\_.

# Magnetic Poles

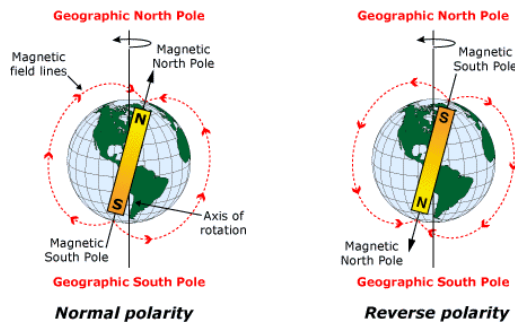
Magnetic poles that are unlike attract each other, and magnetic poles that are alike repel each other.



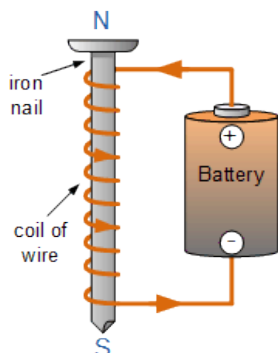
# The Earth

Earth's core is a large sphere of \_\_\_\_\_.

Outer core is made of hot swirling liquid \_\_\_\_\_.



# Electromagnet



What is the coil of wire called? \_\_\_\_\_