

I...Playing with Magnetism

Introduction:

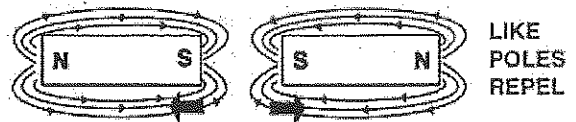
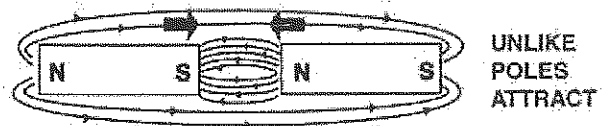
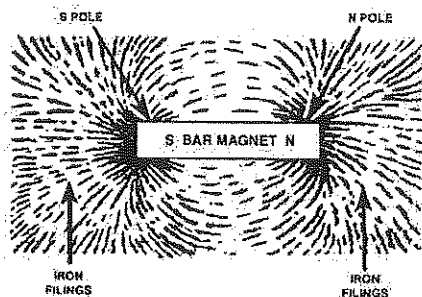
What is magnetism? We have all had the experience of using simple magnets to hold notes on surfaces such as refrigerator doors. Magnetism is the force produced by magnets which does all of the "holding". Magnetism is also a very important force in nature which can move hot gases in stars, and in the space around Earth. The students will investigate magnetism and magnetic forces. The students will explore the attracting and repelling properties of magnets through hands on experiences.

Key Terms:

Magnet - a metal that can attract certain other metals.

Magnetic Properties - refers to an item which can attract or repel items as a magnet does.

Poles - refers to the two areas of a magnet where the magnetic effects are the strongest. The poles are generally termed the north and south poles. Poles that are alike (both north or both south) will repel from each other, while poles that are different (one north, one south) will attract to each other.



| ITEM | Attracted to Magnet | Not Attracted to Magnet |
|---|---------------------|-------------------------|
| paper clip nickel penny paper Aluminum foil | | |