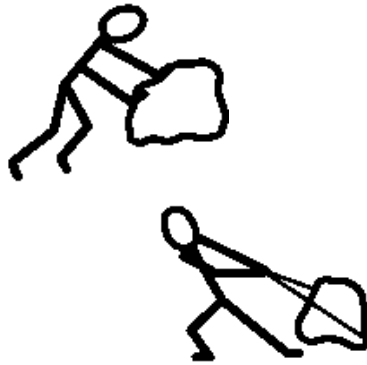


## Force



- The push or pull on an object

Shape Changes  
Direction Changes  
Movement Stops

## Attract



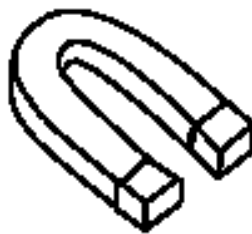
- pulling force

## Repel



- pushing force

## Magnet



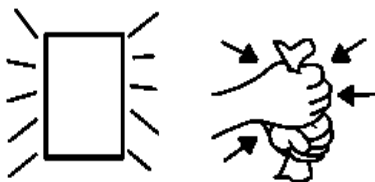
- material that attracts other material with iron or nickel in it

## Properties



- **Physical**
  - Describe using your senses
  - e.g. hard, sinks
- **Chemical**
  - How matter changes with heat, pressure, light, chemical reaction
  - e.g. burns, melts, dissolves

## Metal Properties



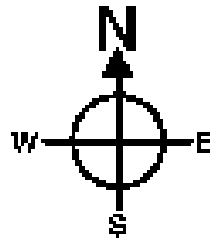
- Shiny
- Squeezable (sheet)
- Stretchable (wire)
- Heat moves through easily
- Let electricity move easily

## Magnetic Metals

3

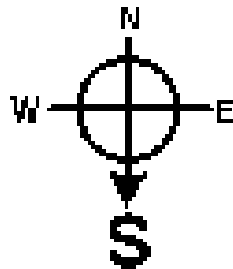
- Only 3 magnetic
  - Iron
  - Nickel
  - Cobalt
- 63 non-magnetic!

## North Pole



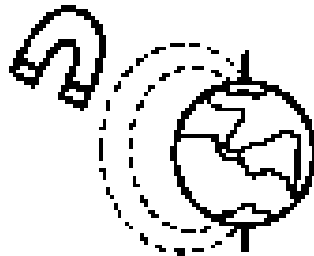
- north-pointing end of a magnet
- where the magnetic force is strongest

## South Pole



- south-pointing end of a magnet
- where the magnetic force is strongest

## Magnetism



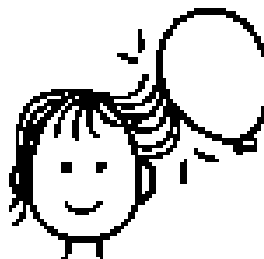
- **a force** that pushes or pulls certain materials (iron, nickel, cobalt)

## Gravity



- **a force** that pulls down everything that is on or near the Earth's surface

## Electrostatic



- **a force** that pushes or pulls due to a charge