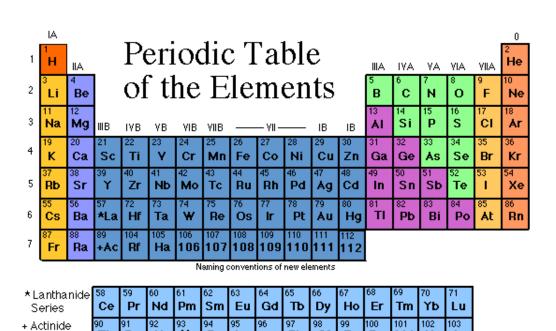
## Interactions of Nature weak force strong force electromagnetism gravity

## MATTER



Weak and Strong

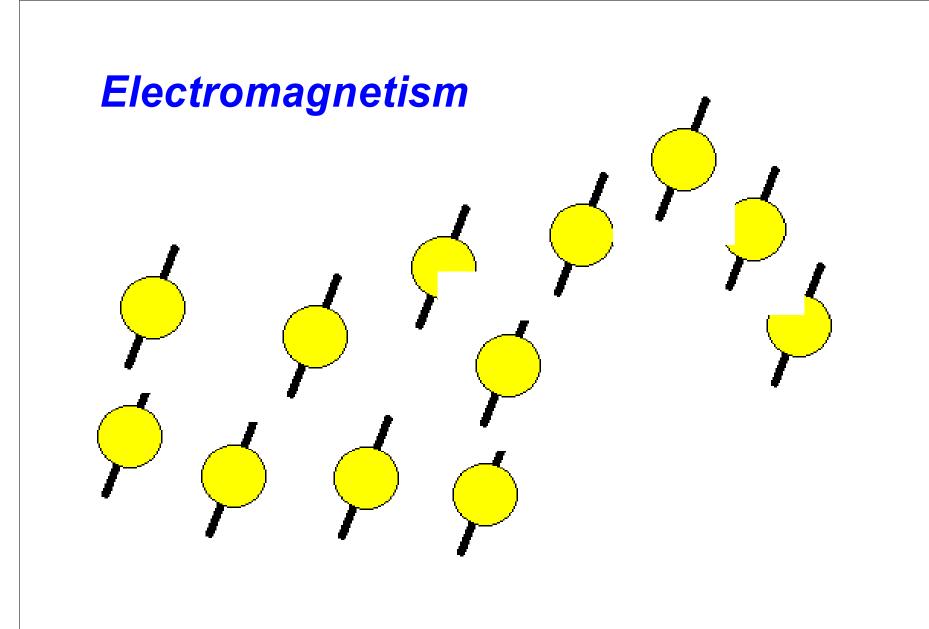
Bk

Cf

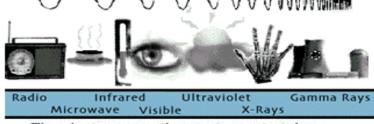
Es Fm Md No

Np Pu Am Cm

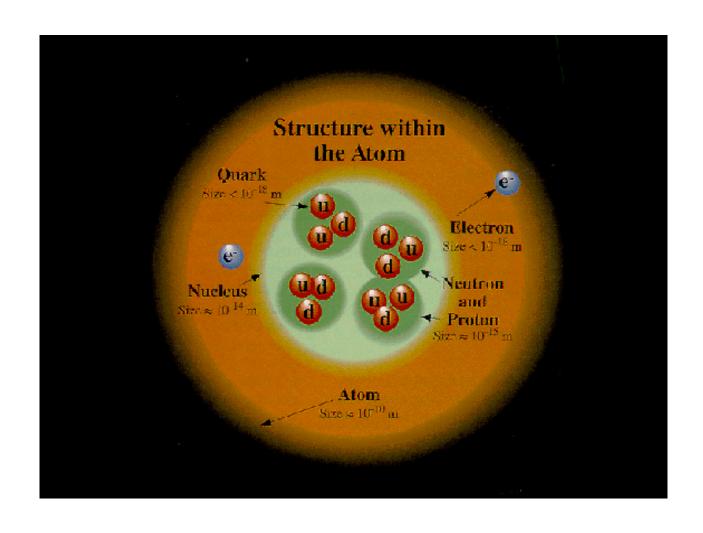
Series



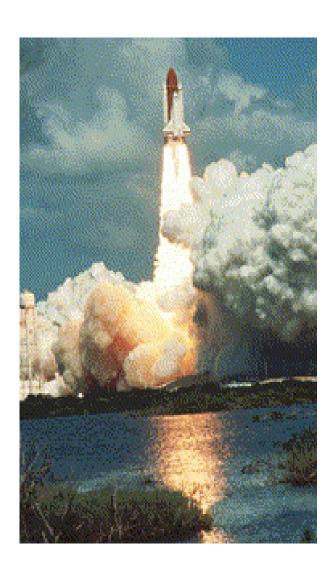
# Electromagnetic wave spectrum



The electromagnetic spectrum stretches from radio waves to gamma rays.







### **Newton's**

#### **First Law**

An object that is in motion continues in a straight line, at constant speed, unless a force acts upon it.

#### **Second Law**

If an unbalanced force acts upon an object, the object will be accelerated (F = ma).

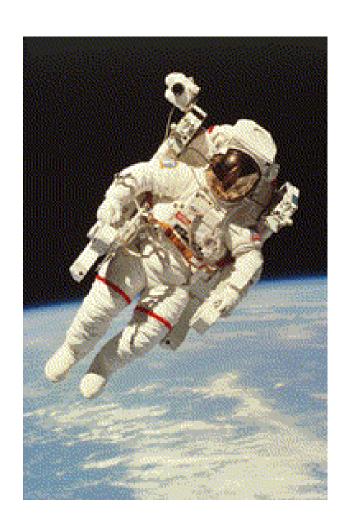
#### **Third Law**

For every action there is a opposite and equal reaction .

## **Basketball**







## Microgravity

## **Anti-gravity machines**

