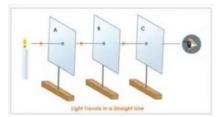
# **Topic 1: Properties & Production of Light**



### **Basic Properties of Light**

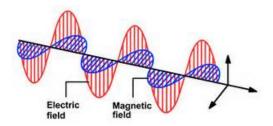
1.

2.



#### **Radiation:**

3.



#### **Electromagnetic Spectrum** Decreasing wavelength Increasing photon energy Ultraviolet Infrared Micro-Visible light X-rays Gamma-rays Radio waves waves radiation B R Indigo Red Orange Yellow Green Blue Violet

# Light:

### **Non-Luminous:**

### **Luminous:**

# **Methods of Light Production**

Method	How it Works	Example(s)
Incandescence		
Fluorescence		
Chemiluminescence & Bioluminescence		
Light-Emitting Diode (LED)		
Light Amplification by Stimulated Emission of Radiation (Laser)		