

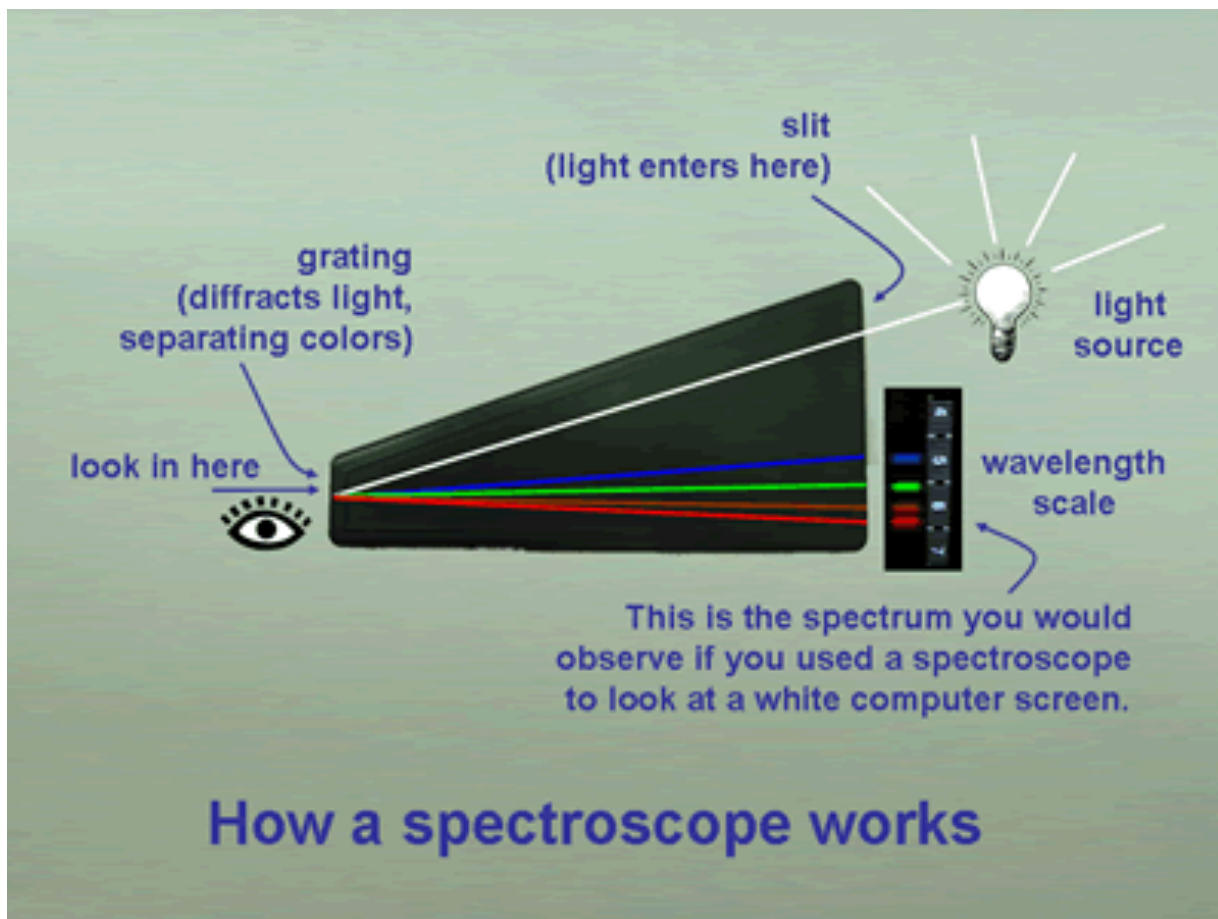
# Electromagnetic Spectrum (Visible Light)

**Directions:** Copy down the purpose and answer all the questions to this inquiry.

**Purpose:** How do different colored light bulbs affect what color of light moves through both a spectroscope and a prism?

**Procedures:**

1. Look at the diagram below to understand how a spectroscope works.
2. Each lab station has a different colored light bulb, colored pencils, spectroscope and prism.
3. Write some observations about what you saw using both the spectroscope and the prism.
4. Draw a picture using the colored pencils for the colors you see using both the prism and spectroscope.
5. It may be difficult to see the color refracting through the prism. Look carefully they all do!
6. Make sure to hold the spectroscope steady as you view the light from the different stations.
7. Repeat steps 3 and 4 for each of the 6 lab stations.



Color	Prism	Spectroscope
Yellow		
Red		
Blue		
Regular (white)		
Black (Purple)		
Green		