



## Interpretation & Reflections:

1. Is it possible to accurately determine the spectral composition of a light source by looking at the source with the unaided eye? Why or why not?
2. What's the difference between a discrete and a continuous spectrum? Draw one of each below.
3. Based on your experiences in the lab, what types of materials produce continuous spectra? Discrete Spectra?
4. Give an example of a light source with:
  - a. a continuous spectrum
  - b. a discrete or line spectra
  - c. both a continuous and a line spectra
5. Describe the spectra produced by an LED (light emitting diode). Does it consist of a single color? If more than 1 color is present is the spectrum continuous or discrete?
6. How well did you predict your results? Can you explain why you were right or wrong in your predictions?

## The big question:

Based on your observations, what would you say are some things that all light emitting sources have in common? How can they differ?