

Name \_\_\_\_\_

## Colors of Light: Wavelengths and Frequencies Unveiled

### Short Answer

1. Explain the relationship between the wavelength and frequency of light.
2. Name two colors of light with longer wavelengths than green light and provide their approximate wavelength ranges.
3. What are some common associations or emotions linked to the color blue in various cultures?
4. How does a prism create a spectrum of colors from white light, and why does each color have its own distinct wavelength?
5. Provide an example of an object or situation where the color of light can impact our emotions or behavior.

