

Name _____

Colors of Light: Wavelengths and Frequencies Unveiled

Multiple Choice Questions

1. What is the relationship between wavelength and frequency?
 - a) They are not related.
 - b) As wavelength decreases, frequency increases.
 - c) As wavelength increases, frequency increases.
 - d) They remain constant.

2. Which color of light has the shortest wavelength?
 - a) Red
 - b) Yellow
 - c) Green
 - d) Violet

3. What does the color spectrum created by a prism reveal?
 - a) The absence of colors
 - b) The combination of all colors
 - c) The relationship between colors and emotions
 - d) The colors of the rainbow

4. What color of light is often associated with tranquility and serenity?
 - a) Red
 - b) Yellow
 - c) Blue
 - d) Green

5. Which color of light is the warmest and is used to indicate "stop" in traffic signals?
 - a) Green
 - b) Blue
 - c) Red
 - d) Yellow

