

Name _____

The Electromagnetic Spectrum: Unveiling the Colors of Light

Multiple Choice Questions

1. What is the electromagnetic spectrum?
 - a) A range of ocean waves
 - b) A vast range of electromagnetic waves
 - c) A collection of different colors of light
 - d) A division of sound waves

2. Which type of electromagnetic waves has the shortest wavelengths?
 - a) Radio waves
 - b) Infrared waves
 - c) X-rays
 - d) Gamma rays

3. Which part of the electromagnetic spectrum is responsible for causing sunburn?
 - a) Radio waves
 - b) Visible light
 - c) Ultraviolet (UV) waves
 - d) Microwaves

4. What is the order of colors in visible light, from longest to shortest wavelength?
 - a) Red, blue, green, yellow, orange, violet, indigo
 - b) Yellow, red, blue, green, orange, indigo, violet
 - c) Red, orange, yellow, green, blue, indigo, violet
 - d) Violet, indigo, blue, green, yellow, orange, red

5. Which type of electromagnetic waves is used for medical imaging, such as X-rays?
 - a) Infrared waves
 - b) Ultraviolet (UV) waves
 - c) X-rays
 - d) Gamma rays

