

Name _____

Bending Light: The Marvel of Refraction Unveiled

Multiple Choice Questions

1. What is refraction?
 - a) The absorption of light by a substance
 - b) The bending of light as it passes from one transparent substance to another
 - c) The reflection of light off a surface
 - d) The scattering of light in all directions

2. What causes refraction to occur?
 - a) The change in color of light
 - b) The change in the speed of light when it passes from one substance to another
 - c) The change in the shape of objects
 - d) The change in the direction of light due to gravity

3. What is the angle at which light bends as it enters a new substance called?
 - a) Angle of reflection
 - b) Angle of incidence
 - c) Angle of dispersion
 - d) Angle of refraction

4. What causes the formation of rainbows?
 - a) Refraction of sunlight by raindrops
 - b) Reflection of sunlight by clouds
 - c) Absorption of sunlight by the sky
 - d) Scattering of sunlight by trees

5. How do prisms create a spectrum of colors from white light?
 - a) By absorbing some colors and reflecting others
 - b) By dispersing light into its constituent colors through refraction
 - c) By bending light at the same angle for all colors
 - d) By emitting colored light

