

Name _____

Light's Journey: Through Space and Beyond

Multiple Choice Questions

1. How does light travel in space?
 - a) It requires a medium like air or water.
 - b) It travels as electromagnetic waves.
 - c) It doesn't travel in space.
 - d) It travels slower than on Earth.

2. What happens when light changes direction as it passes from one medium to another?
 - a) Reflection
 - b) Absorption
 - c) Refraction
 - d) Dispersion

3. What causes the formation of a rainbow when light passes through raindrops?
 - a) Reflection
 - b) Absorption
 - c) Dispersion
 - d) Transmission

4. Why does a black shirt feel warmer on a sunny day?
 - a) Because it reflects sunlight
 - b) Because it absorbs sunlight
 - c) Because it refracts sunlight
 - d) Because it transmits sunlight

5. Which of the following is NOT a transparent material?
 - a) Glass
 - b) Water
 - c) Air
 - d) Wood

