

Name _____

Photon Play: The Dance of Light Particles

Multiple Choice Questions

1. What are photons?
 - a) Tiny particles of matter
 - b) Building blocks of light
 - c) Subatomic particles with mass
 - d) Units of sound energy

2. How fast do photons always travel?
 - a) The speed of sound
 - b) The speed of a rocket
 - c) The speed of light
 - d) The speed of a car

3. What is the dual nature of photons?
 - a) They only behave as particles.
 - b) They only behave as waves.
 - c) They behave as both particles and waves.
 - d) They have no behavior.

4. Which property of light is determined by the wavelength of photons?
 - a) Speed
 - b) Color
 - c) Temperature
 - d) Shape

5. How do photons play a role in our ability to see objects?
 - a) They provide the sense of touch.
 - b) They transmit sound waves.
 - c) They trigger chemical reactions in our retinas.
 - d) They generate heat in our eyes.

