

Name _____

Reflecting on Reflection: Mirrors and Shiny Surfaces Unveiled

Multiple Choice Questions

1. What is reflection?
 - a) The process of light being absorbed by a surface
 - b) The process of light bending as it passes through an object
 - c) The process of light bouncing off a surface
 - d) The process of light disappearing into thin air

2. According to the Law of Reflection, what is true about the angles of incidence and reflection?
 - a) They are equal.
 - b) They are unrelated.
 - c) The angle of incidence is always greater.
 - d) The angle of reflection is always greater.

3. Why are mirrors excellent reflectors of light?
 - a) They are coated with a layer of metal.
 - b) They are rough and irregular.
 - c) They are transparent.
 - d) They are made of plastic.

4. What type of reflection occurs when light scatters in various directions due to surface irregularities?
 - a) Smooth reflection
 - b) Specular reflection
 - c) Diffuse reflection
 - d) Transparent reflection

5. How is the Law of Reflection useful in the design of road signs and safety vests?
 - a) It makes them invisible at night.
 - b) It allows them to absorb light.
 - c) It makes them easily visible when light shines on them.
 - d) It makes them change color.

