Right or Left

Light is a form of electromagnetic radiation that enables us to see the world around us.

Light travels in straight lines, but it can interact with various materials and objects in interesting ways.

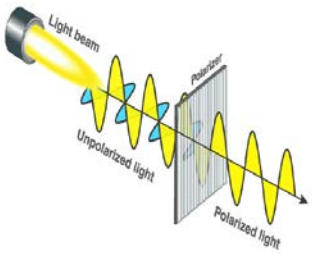
Polarization of Light:

Light is composed of waves that vibrate in all directions perpendicular to its direction of travel.

When these waves vibrate in a single plane, we say that light is polarized.

Polarization can occur horizontally, vertically, or at any angle in between.

Right and Left Circularly Polarized Light:



Circular polarization is a special type of polarization in which the direction of the electric field vector rotates as the light travels.

Right-circularly polarized light: The electric field vector of the light wave rotates in a clockwise direction as viewed in the direction of propagation.

Left-circularly polarized light: The electric field vector of the light wave rotates in a counterclockwise direction as viewed in the direction of propagation.

Using Polarized Light to Distinguish Right and Left:

Polarized sunglasses and polarizing filters are common examples of tools that utilize polarization of light.

By using such filters, we can distinguish between right and left-circularly polarized light.