

# Experiment

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## 1 Polarization of Light

- **Light** is a wave composed of oscillating electric  $\vec{E}$  and magnetic  $\vec{B}$  field vectors. (Electromagnetic waves are transverse waves, meaning the oscillations are perpendicular to the direction of propagation.)
- **Polarization** refers to the direction of oscillations of light waves. Light typically vibrates in multiple directions. However, when light becomes polarized, it oscillates predominately in a single direction.