

CHAPTER OVERVIEW

1: The Nature of Light

In this chapter, we study the basic properties of light. In the next few chapters, we investigate the behavior of light when it interacts with optical devices such as mirrors, lenses, and apertures.

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[1.A: The Nature of Light \(Answers\)](#)

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Thumbnail: An EM wave, such as light, is a transverse wave. The electric \vec{E} and magnetic \vec{B} fields are perpendicular to the direction of propagation. The direction of polarization of the wave is the direction of the electric field.

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