

Chapter 1

Optics

Optn

KEY POINTS

- The two main theories of light travel are the corpuscular theory and the wave theory. It is uncertain which theory is correct, but it seems that light has both properties.
- The speed of light in a vacuum is 186,282 miles per second.
- The two main factors that determine the power of a lens are the index of refraction (IR) and the curvature.
- Light emanating from a light source is always divergent (ie, spreads apart).
- A prism will affect the direction of light but not its vergence.
- Light striking a reflective surface will be reflected at an angle equal to the incoming light.