

Designing With Light

Chapter 3 Self-Evaluation

1. Light can be envisioned as waves.
 - a. True
 - b. False
2. Light can be envisioned as particles.
 - a. True
 - b. False
3. What did Thomas Young's Double Slit Experiment show?
 - a. Light is waves
 - b. Light is particles
 - c. Light is both waves and particles
 - d. Light is neither waves nor particles
4. What is the electromagnetic spectrum?
 - a. Part of the spectrum of light
 - b. A wide range of energies, including light
 - c. Energies with a wavelength
 - d. Waves and particles
5. Who proposed that light is waves?
 - a. Christiaan Huygens
 - b. Sir Isaac Newton
 - c. Thomas Young
 - d. James Maxwell
 - e. Max Planck
6. Who proposed that light is particles?
 - a. Christiaan Huygens
 - b. Sir Isaac Newton
 - c. Thomas Young
 - d. James Maxwell

Answers are on the next page

Answers:

1) A

2) A

3) A

4) B

5) A, C

6) B