CONNECTICUT PHYSICS · UNIT 4 · 10 QUESTIONS

Light and Modern Physics — Practice Test

This practice test was made by AI and there may be mistakes. If a question or answer looks wrong, use the Flag a mistake button to let Brett know so he can fix it.

1 **Reflection is the bouncing of light off a**

- A lens only
- B prism only
- C surface
- D vacuum only

Understand It with Pulse | Flag a mistake

2 **Refraction is the bending of light when it changes**

- A color only
- B speed only in a vacuum
- C direction in a vacuum
- D medium

Understand It with Pulse | Flag a mistake

3 **A convex lens converges light to a**

A focal point

B virtual image only

C parallel beam

D dark spot

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4 **White light can be split by a prism into a**

A single color

B spectrum

C beam of electrons

D sound wave

Understand It with Pulse | Flag a mistake

5 **The electromagnetic spectrum includes radio waves, visible light, and**

- A sound waves
- B water waves
- C X rays
- D seismic waves

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6 **In the Bohr model, electrons occupy**

- A orbits only in space
- B nuclei
- C photons
- D energy levels

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7 **The nucleus of an atom contains protons and**

A neutrons

B electrons

C photons

D quarks only

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8 **Gamma rays have higher frequency than**

A radio waves only

B visible light

C sound waves

D infrared only

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9

A laser produces light that is

A incoherent

B unpolarized only

C coherent

D white only

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10

The wavelength of red light is longer than the wavelength of

A red light itself

B infrared light

C radio waves

D blue light

Understand It with Pulse | Flag a mistake

ANSWER KEY

1.	C	**5.**	C	**9.**	C
2.	D	**6.**	D	**10.**	D
3.	A	**7.**	A		
4.	B	**8.**	B		

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