QUEBEC PHYSICS, SECONDARY V · UNIT D

Geometric Optics — Practice Test

Quebec Physics, Secondary V • 10 questions

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 **Geometric optics treats light as travelling in straight lines called**

- A rays
- B waves only
- C particles only
- D fields

Understand It with Pulse | Flag a mistake

2 **Light bends away from the normal when it enters a medium with a lower index of**

A reflection

B absorption

C refraction

D colour

Understand It with Pulse | Flag a mistake

3 **Light bends toward the normal when it enters a medium with a higher index of**

A reflection

B refraction

C absorption

D colour

Understand It with Pulse | Flag a mistake

4 **Magnification greater than 1 in size means the image is larger than the**

A mirror

B lens

C screen

D object

Understand It with Pulse | Flag a mistake

5 **Refraction is the bending of light when it passes from one medium into**

A a mirror

B a vacuum only

C a lens only

D another

Understand It with Pulse | Flag a mistake

6 **Snell law relates the indices and the sines of the angles of incidence and**

A refraction

B reflection

C diffraction

D dispersion

Understand It with Pulse | Flag a mistake

7 **The focal length of a mirror or lens is the distance from the surface to the**

A object

B image

C focal point

D centre

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8 **The index of refraction of a vacuum is defined as**

A 0

B 1.5

C 1

D 2

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9 **For a ray hitting a mirror, the angle of incidence equals the angle of**

A refraction

B reflection

C diffraction

D dispersion

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10 **Total internal reflection can occur when light travels toward a medium with a lower index of refraction at an angle above the**

A focal angle

B right angle

C acute angle

D critical angle

Understand It with Pulse | Flag a mistake

ANSWER KEY

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

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