

PHYSICS DEFINITIONS GRADE 11 - FILL IN THE MISSING TERM

OPTICS

OPTICS:

Refraction of light – the _____ in direction of a light ray due to a change in speed when light travels from one _____ into the other of different density

Optical density – a measure of the _____ power of a medium

Refractive index – the _____ of the speed of light in a _____ to the speed of light in a _____

Normal – the line which is _____ to the plane of the _____

Critical angle – the angle of _____ in the optically _____ medium for which the angle of _____ in the optically _____ medium is 90°

Angle of incidence – the angle between the _____ to a _____ and the light ray

Angle of refraction – the angle between the _____ to a _____ and the light ray

Law of reflection – when light is reflected the angle of _____ is always equal to the angle of _____

Snell's Law – the _____ of the _____ of the _____ of _____ in one medium to the sine of the angle of _____ in the other medium is constant