

## 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  $90^\circ$

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