

IV. Light

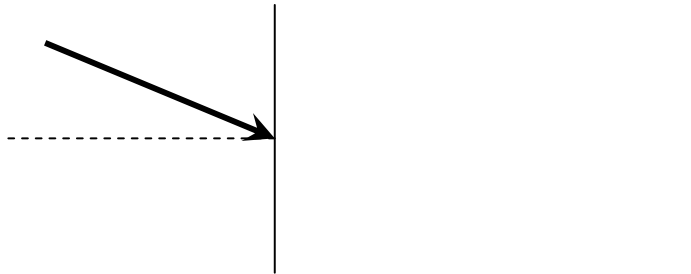
A. _____

1. _____ = c (in vacuum)In air \approx _____

2. The _____ of light depends on its _____

B. Reflection

1. Law of Reflection

a. \angle of incidence = \angle of _____ $\theta_r = \angle$ reflection (\angle reflected light makes with the normal)

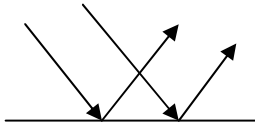
a. Virtual (_____) and _____

Incident ray, normal line, and reflected rays are all in

the _____

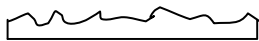
- c. The distance the object is in **front** of the mirror _____
the distance the image is _____

2. Two Basic Kinds of Reflection



- a. Regular Reflection – reflection off a
- _____ surface (produces _____)

- b. Diffuse Reflection – reflection off an
irregular surface causing



- light to _____ (no image)