

Real and Virtual Images

SNC2D

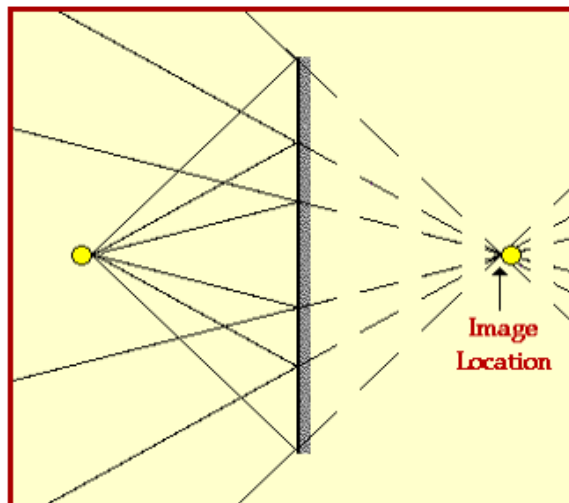
How does an image form in a plane mirror?

Step 1: A _____ of light rays from the object will be _____ towards the mirror.

Step 2: The light will reflect off the mirror according to the _____.

Step 3: The image is where all the reflected light rays _____; in this case, it's _____ the mirror.

i.e. the image is where an _____ the light rays _____.



An image formed by the intersection of the extensions of the light rays is called a _____ **image**. It _____ be focused on a _____.

An image formed by the intersection of actual light rays is called a _____ **image**. It _____ be focused on a screen.

For any image, note the image:

- _____: if the image is larger, smaller, or the same size as the _____
- _____: if the image is _____ or inverted (i.e. upside-down)
- _____: where the image is _____
- _____: real or virtual