

Characteristics of Plane Mirror

1. If you stand three feet in front of a plane mirror, how far away would you see yourself in the mirror?
 - a. 1.5 ft
 - b. 3.0 ft
 - c. 6.0 ft
 - d. 12.0 ft
2. Which of the following best describes the image formed by a plane mirror?
 - a. Virtual, inverted and enlarged
 - b. Real, inverted and reduced
 - c. Virtual, upright and the same size as object
 - d. Real, upright and the same size as object
3. When the image of an object is seen in a plane mirror, the image is _____.
 - a. real and upright.
 - b. real and inverted.
 - c. virtual and upright.
 - d. virtual and inverted.
4. When the image of an object is seen in a plane mirror, the distance from the mirror to the image depends on _____.
 - a. the wavelength of light used for viewing.
 - b. the distance from the object to the mirror.
 - c. the distance of both the observer and the object to the mirror.
5. If a man wishes to use a plane mirror on a wall to view both his head and his feet as he stands in front of the mirror, the required length of the mirror _____.
 - a. Is equal to the height of the man.
 - b. is equal to one half the height of the man.
 - c. depends on the distance the man stands from the mirror.
 - d. depends on both the height of the man and the distance from the man to the mirror.