

Light and Optical Systems

Topic 2 - Reflection Practice Quiz

1. Reflection is the process in which light strikes a surface and bounces off that surface. The reflected ray will bounce back directly to the light source if it is lined up with the ...

incident ray

reflected ray

normal line

reflecting surface

2. To discover the laws of reflection it is necessary to use a ...

ray box

plane mirror

reflecting surface

normal line

3. In stating the law of reflection, that ***the angle of incidence equals the angle of reflection*** it is necessary to understand that this is a law because ...

a scientist has stated it

this relationship happens most of the time

this relationship always happens

science is always accurate and precise

4. When you attempt to focus an image on a screen, using a concave mirror, but cannot, yet, you can see an image when are looking into the same concave mirror, the image is called a ...

convex distortion

concave image

virtual image

reflected distortion

5. Pool players use the law of reflection to improve their game. When the cue ball bounces off the cushion on the side and hits the target ball, the action is called a ...

bank shot

cushion shot

angled shot

image shot

**Check your
Answers**

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Topic 2 - Reflection Practice Quiz

1. Reflection is the process in which light strikes a surface and bounces off that surface. The reflected ray will bounce back directly to the light source if it is lined up with the ...

incident ray

reflected ray

normal line (Text p. 189) Figure 3.15

reflecting surface

2. To discover the laws of reflection it is necessary to use a ...

ray box

plane mirror (Text p. 189) A shiny flat surface is needed to study the law of reflection

reflecting surface

normal line

3. In stating the law of reflection, that ***the angle of incidence equals the angle of reflection*** it is necessary to understand that this is a law because ...

a scientist has stated it

this relationship happens most of the time

this relationship always happens (Text p. 194) A law has been observed many times for all types of surfaces with no exceptions

science is always accurate and precise

4. When you attempt to focus an image on a screen, using a concave mirror, but cannot, yet, you can see an image when are looking into the same concave mirror, the image is called a ...

convex distortion

concave image

virtual image (Text p. 196) When a mirror cannot focus an image on a screen, but you can see an image in the mirror, it is called a virtual image

reflected distortion

5. Pool players use the law of reflection to improve their game. When the cue ball bounces off the cushion on the side and hits the target ball, the action is called a ...

bank shot (Text p. 199) Figure 3.25

cushion shot

angled shot

image shot