

Quiz 1— Color and Directional Effects of Lighting

Students are to read Chapter 2 and answer a multiple choice questionnaire.

1 10 points

What happens when the light source does not have a balanced spectrum of colors?

- The color of the objects will appear smaller than they actually are.
- The color of objects will appear larger than they actually are.
- The color of objects being illuminated will be altered.
- The color of objects will become more red.
- The color of objects will appear to be more vibrant than they actually are.

2 10 points

In addition to the unique characteristics of the brain and eyes, what are the two physiological factors that affect color perception?

- Color Blindness and Age
- Youth and inexperience
- Brightness and reflectance value of glare.
- Chromaticity (CCT) and Color Rendering Index (CRI).
- Defused Reflectance and Dimensional Factors.

3 10 points

Color temperature of a light source is called.

- Color Rendering Index
- Chromaticity
- Illuminance
- Transmission
- Perceived Brightness

4 10 points

The true color of an object is measured by

- Correlated Color Temperature
- Chromaticity
- Color Rendering Index
- Foot Candles

5 10 points

The light levels or Illuminance (E) that falls on a surface can be measured in?

- Candelas
- Lux (lx)
- Brightness
- Mean lumens
- Foot Candles

6 10 points

To have a quality lighting environment, an interior designer must develop a plan to maximize

- Chromaticity
- Spectral Power Distribution
- Brightness
- Simultaneous Contrast

7 10 points

Excessive Brightness is known as

- Glare
- Transmission
- Defused Reflectance
- Reflectance

8 10 points

What type of glare is so severe that renders an individual unable to see?

- Discomfort Glare
- Disability Glare
- Indirect Glare
- Direct Glare
- Controlling Glare

9 10 points

Determining the reflection of a surface or object involves examining the reflection and

- The angle of the incident
- Both Direct and Indirect Glare
- The perceived brightness
- The amount of Foot Candelas being produced by a light source

10 10 points

Shielding devices for luminaires include baffles, louvers, and

- Optical Controls
- Transmission devices
- Fascia
- lens
- Shade