

Designing With Light

Chapter 8 Self-Evaluation

1. What does color temperature tell us about light?
 - a. Warmth or coolness of white light
 - b. Color of light
 - c. Color rendering of light
 - d. Source of light
2. Color temperature is measured in what units?
 - a. Celsius
 - b. Kelvin
 - c. Fahrenheit
 - d. CRI
3. What is the color temperature reference standard?
 - a. Incandescent lamp
 - b. Daylight
 - c. Blackbody radiator
 - d. CIE 1931
4. Which has a higher color temperature, an incandescent lamp or sunlight?
 - a. Incandescent lamp
 - b. Sunlight
5. What system is used to measure color rendition?
 - a. Spectral power distribution curve
 - b. Blackbody radiator
 - c. Color quality system
 - d. Color rendering index
6. Metamerism describes
 - a. A change in the light source
 - b. A change in object color
 - c. Light sources that appear to be the same, but have different SPDs
 - d. Changing the color of light changes the color of objects

7. What is apparent color?
 - a. The hue of an object
 - b. The color an object appears to be under a given light source
 - c. The true color of an object
 - d. An object's SPD
8. An example of additive mixing is
 - a. Two or more light sources illuminating an object
 - b. Using a filter to change color of light
 - c. Colored light reflected off of an object
 - d. Using a colored light source
9. Colors have universally agreed upon meanings
 - a. True
 - b. False
10. Color can be an important element in setting the mood of a space
 - a. True
 - b. False

Answers are on the next page

Answers:

- 1) A
- 2) B
- 3) C
- 4) B
- 5) D
- 6) C
- 7) B
- 8) A
- 9) B
- 10) A