

Quiz 2- Natural and Electric Light

Multiple Choice Questions. Choose the appropriate answer for each question asked. Please note that each question is worth 8 points apiece. There are a total of 13 questions for a total of 104 points total.

1 8 points

_____ is not essential to life, but is critical to sustainable designs, as the well as the psychological and biological well-being of people.

- Solar Geometry
- Housing
- Daylighting Design
- Candlepower

2 8 points

_____ refers to capturing daylight for the purpose of illuminating interiors and saving energy.

- LED Luminaries
- Daylight Harvesting
- LED Light Engines
- Solar Geometry

3 8 points

Maximizing the penetration of daylight requires a great deal of analysis beginning with the understanding of _____ and the variables of sunlight

- Foot Candels
- Candelas
- Fluorescent Lighting
- Solar Geometry

4 8 points

_____ is vital to creating quality and sustainable environments

- Daylighting
- Candlepower
- Light output
- Compact Fluorescents

5 8 points

The _____ of a light source measured in Candelas is its intensity in a specific direction.

- Daylight Harvesting
- Candlepower
- Daylighting
- Light Output

6 8 points

The Lumens per watt (LPN) is a measure of the _____ for each watt of electricity consumed and is used to determine energy efficiency.

- Candlepower
- Light Output
- Daylighting
- Fluorescent Lamp

7 8 points

The _____ is the oldest electric light source.

- Incandescent Carbon-Filament Lamp
- High-Intensity discharge
- Parabolic Aluminized Reflector (PAR) Lamp
- Fluorescent Lamp

8 8 points

To improve the efficiency and directional qualities of the incandescent lamp, engineers developed the Reflector (R) lamp which includes the _____ and the ellipsoidal reflector (ER) lamp.

- Lumens (LPW) per watt
- High-Intensity Discharge (HID) Lamp
- Parabolic Aluminized Reflector (PAR) Lamp
- Compact Fluorescent (CLF) Lamp

9 8 points

The _____ (linear and compact) is one of the electric discharge lamps.

- Candelas
- Candlelight
- Oil Lamp
- Fluorescent Lamp

10 8 points

As an energy efficient alternative to the incandescent lamp, the _____ is an excellent choice.

- Hi-Intensity Discharge (HID) Lamp
- Parabolic Aluminized Reflector (PAR) Lamp
- Oil Lamp
- Compact Fluorescent (CFL) Lamp

11 8 points

Mercury, Metal Halides, and High-pressure Sodium are _____.

- LED Lamps
- Hi-Intensity Discharge (HID) Lamps
- Compact Fluorescent (CFL) Lamps
- Incandescent Carbon-Filament Lamps

12 8 points

A _____ uses Sodium Vapor for illumination.

- Hi-Pressure Sodium (HPS) Lamp
- Oil Lamp
- Incandescent lamp
- LED Lamp

13 8 points

LED products with drivers include _____ (Intergraded and non-integrated).

- Daylight, Daylight Harvesting, and Daylight Design
- LED Light Engines, LED Lamps, LED Luminaries
- Hi-Pressure Sodium (HID) Lamps
- Candlepower, Candelas, and light output
- Compact Fluorescent Lamps