Quiz Chapter 4

This quiz focuses on Chapter 4 Energy, The Environment, and Sustainable Design. Note that this Quiz is structured according to topics. Paying close attention to the topics and they will lead to the correct answers.

1 1 point

Which of the components listed below is considered a component of a quality Lighting environment

- Option A and C
- A system that provides a setting to promote health and well being
- All of the above
- A system that conserves energy
- A system that protects the natural environment

2 1 point

In which continent do we see the most growth in energy consumption?

- Asia
- North America
- South and Central America
- Africa
- Both A and C

3 1 point

Which of the following are critical components of reducing energy consumed for lighting.

- None of the above
- Hi Intensity Discharge
- Daylighting
- Organic LED Lightign
- Electric Lighting

4 1 point

Cradle-to-grave analysis is a process that examines the complete impact of a product on the environment. Which of the following is not part of the process?

- Raw material extraction
- Delivery
- Recycling
- Waist Disposal
- None of the above

5 1 point

Which of the following is not a green building certification?

- LEED in the US
- Canada Green Building Council
- Interior Design Sustainable Practice Movement (IDSPM)
- Comprehensive Assessment System for Built Environments Efficiency (CASEBEE)
- Building Research Establishment's Environments Assessment Method

6 1 point

Which of the following is not required to maximize daylighting

- Orientation of a building and the design of a building's facade.
- Type of constructing method of a building.
- Characteristics of top lighting and side lighting.
- Adjacency buildings and the ground close to windows.
- Option A and C.

7 1 point

LED, Fluorescent, Metal Halide (MH), and High-Pressure Sodium are considered what type of Lighting

- None of the Above
- Low efficiency used for special application.
- High-efficient daylight source.
- Low efficient white light source.
- The most efficient white light source.

8 1 point

Lighting Layouts must be appropriate for the purpose of the luminaire and must control which of the following attribute?

- The amount of glare reflecting off of surfaces.
- The size and proportion of the space.
- The amount of natural light penetrating a surface.
- The amount of CO_2 gases being produced by natural lighting within in the space.
- None of the above.

9 1 point

Using controls to conserve energy requires detailed analysis to of the factors that affect daylighting. Which of these is not a factor?

- Characteristics of the user
- Activities
- Space Planning
- Schedules
- Characteristics of the designer

10 1 point

When referencing energy standards and Codes, Which of the following statement is true.

- Neither Codes or Standards have legal implications.
- Standards delineate minimum energy efficiency and limits, while Codes are laws enacted to apply these standards.
- Standards have legal implications while codes are mere suggestions.
- Codes delineate minimum energy efficiency and limits, while Standards are laws enacted to apply these Codes.