

Designing With Light

Chapter 7 Self-Evaluation

1. Incandescent lamp filaments are made of:
 - a. Carbon
 - b. Tungsten
 - c. Steel
 - d. Glass
2. Halogen lamps have a longer life than incandescent lamps because of:
 - a. Improved filament design
 - b. Quartz envelope
 - c. Higher operating temperature
 - d. Halogen cycle
3. What are the components of a fluorescent lamp (select all that apply)
 - a. Fill gas
 - b. Mercury
 - c. UV light
 - d. Phosphors
 - e. Filament
4. All fluorescent lamps require this device to operate
 - a. Ballast
 - b. Transformer
 - c. Power supply
 - d. Luminaire
5. The two types of HID lamps that are suitable for indoor, commercial spaces are:
 - a. Ceramic Metal Halide
 - b. Mercury Vapor
 - c. Metal Halide
 - d. Plasma
 - e. Sodium Vapor
6. The cavity in an LED is filled with neon gas.

- a. True
- b. False

7. Most LEDs produce white light.

- a. True
- b. False



8. Identify this lamp shape.

- a. A
- b. R
- c. PAR
- d. CFL



9. Identify this lamp shape.

- a. CFL

- b. HID
- c. LED
- d. MR16



10. Identify this lamp shape.

- a. A
- b. C
- c. G
- d. T

Answers are on the next page

Answers:

1) B

2) D

3) A, B, D

4) A

5) A, C

6) B

7) B

8) C

9) A

10) C