

Electrical Symbols and Definitions in Construction

Electrical Engineering · Answer Key · 10 Questions

1. What is the primary purpose of an electrical switch box?

- A) To store light bulbs
- B) To house and protect electrical switches**
- C) To increase power voltage
- D) To generate electricity

2. Which device is designed to open or close an electrical circuit?

- A) Ground
- B) Switch**
- C) Transformer
- D) Circuit breaker

3. What is the main function of a circuit breaker?

- A) To increase light brightness
- B) To provide wireless internet
- C) To protect circuits from excessive current**
- D) To cool down the room

4. What is the purpose of the 'Ground' in an electrical system?

- A) To provide a safe path for electricity during a fault**
- B) To act as a power source
- C) To increase the voltage
- D) To house the wiring

5. Which lighting fixture is installed to sit flush with the ceiling or wall?

- A) Chandelier
- B) Recessed light fixture**
- C) Wall sconce
- D) Fluorescent light

6. What does the abbreviation GFCI stand for in electrical receptacles?

- A) Ground Fault Circuit Interrupter**
- B) General Flow Current Indicator
- C) Global Frequency Control Input
- D) Great Facility Circuit Interface

7. What is a receptacle primarily designed to do?

- A) Control airflow
- B) Receive the plug of an electrical device**
- C) Monitor voltage levels
- D) Protect against fire

8. Which component uses an electric motor to rotate blades for ventilation?

- A) Circuit breaker
- B) Fan**
- C) Doorbell transformer
- D) Switch

9. What is the function of a doorbell transformer?

- A) To increase voltage for lighting
- B) To convert power for a doorbell system**
- C) To provide a ground connection
- D) To act as a switch

10. Which of these is a safety feature used to prevent accidental contact with live wires?

- A) Switch box**
- B) Pullchain
- C) Telephone jack
- D) Electric motor