

# Electrical Symbols and Components

Electrical Engineering · Practice Test · 29 Questions

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**1. Which symbol represents a single pole switch?**

- A) Three-way switch
- B) Single pole switch
- C) Duplex receptacle
- D) Electrical switchbox

**2. What does 'WP' stand for in the context of receptacles?**

- A) Wide Plate
- B) Waterproof
- C) Wired Power
- D) Wall Plug

**3. Which type of receptacle is designed to prevent electric shock in damp locations?**

- A) Isolated ground receptacle
- B) Switched receptacle
- C) GFCI duplex receptacle
- D) 240-volt receptacle

**4. What does the symbol 'HP' typically refer to for an electric motor?**

- A) High Power
- B) Horsepower
- C) Heating Point
- D) Hazardous Protection

**5. Which fixture is described as 'Ceiling mounted'?**

- A) Wall-mounted light fixture
- B) Ceiling fan
- C) Recessed light fixture
- D) Ceiling mounted light fixture

**6. What is the symbol for a telephone jack?**

- A) Ground
- B) Telephone jack
- C) Doorbell transformer
- D) Circuit breaker

**7. Which symbol represents a device that detects smoke?**

- A) Power vent fan
- B) Smoke detector
- C) Doorbell pushbutton
- D) Circuit breaker

**8. What is a 'Duplex receptacle' used for?**

- A) To control a single light
- B) To provide two outlets
- C) To detect smoke
- D) To connect a telephone

**9. Which type of switch allows control of a light from two different locations?**

- A) Single pole switch
- B) Three-way switch
- C) Pullchain switch
- D) Switched receptacle

**10. What does a 'Circuit breaker' primarily do?**

- A) Detects smoke
- B) Transforms doorbell voltage
- C) Protects a circuit from overload
- D) Provides two electrical outlets

**11. Which symbol represents a light fixture controlled by a pullchain?**

- A) Ceiling fan
- B) Weatherproof light fixture
- C) Fluorescent light fixture
- D) PC - Pullchain

**12. What is the symbol for a doorbell transformer?**

- A) Doorbell pushbutton
- B) Doorbell transformer
- C) Telephone jack
- D) Ground

**13. Which receptacle is designed to have a different ground potential?**

- A) GFCI duplex receptacle
- B) Isolated ground receptacle
- C) Switched receptacle
- D) Waterproof receptacle

**14. What is a 'Fourplex fourgang receptacle' likely used for?**

- A) Connecting a single appliance
- B) Connecting four appliances
- C) Controlling lights
- D) Detecting smoke

**15. Which symbol represents a fan mounted on the ceiling?**

- A) Power vent fan
- B) Combination light and fan
- C) Ceiling fan
- D) Electric motor number - HP

**16. What is the symbol for a wall-mounted light fixture?**

- A) Ceiling mounted light fixture
- B) Weatherproof light fixture
- C) Wall-mounted light fixture
- D) Fluorescent light fixture

**17. What does 'GFCI' stand for in a receptacle?**

- A) Ground Fault Circuit Interrupter
- B) General Fault Current Indicator
- C) Ground Fault Current Inhibitor
- D) General Circuit Fault Detector

**18. What is the purpose of a 'Switched receptacle'?**

- A) To provide continuous power
- B) To control the power to the receptacle with a switch
- C) To connect a telephone
- D) To protect from water damage

**19. Which symbol represents a receptacle designed to withstand outdoor conditions?**

- A) Duplex receptacle
- B) GFCI duplex receptacle
- C) WP - Waterproof
- D) Isolated ground receptacle

**20. What is a 'Singleplex receptacle' typically used for?**

- A) Two devices
- B) One device
- C) Three devices
- D) Four devices

**21. Which symbol represents a light fixture that is recessed into the ceiling?**

- A) Ceiling mounted light fixture
- B) Wall-mounted light fixture
- C) Recessed light fixture
- D) Fluorescent light fixture

**22. What is the symbol for an 'Electric motor number - HP'?**

- A) Smoke detector
- B) Doorbell transformer
- C) Electric motor number - HP
- D) Circuit breaker

**23. What is the symbol for a 'Doorbell pushbutton'?**

- A) Doorbell transformer
- B) Ground
- C) Doorbell pushbutton
- D) Telephone jack

**24. What does a 'Power vent fan' typically do?**

- A) Provide light
- B) Ventilate air
- C) Detect smoke
- D) Supply electrical power

**25. Which symbol represents a receptacle for 240-volt power?**

- A) Duplex receptacle
- B) Singleplex receptacle
- C) 240-volt receptacle
- D) Switched receptacle

**26. What is a 'Combination light and fan' used for?**

- A) Separate lighting and ventilation
- B) Integrated lighting and ventilation
- C) Only lighting
- D) Only ventilation

**27. What is the symbol for a 'Fluorescent light fixture'?**

- A) Ceiling fan
- B) Weatherproof light fixture
- C) Fluorescent light fixture
- D) Combination light and fan

**28. What does the symbol for 'Ground' indicate?**

- A) Positive connection
- B) Negative connection
- C) Safety connection
- D) Neutral connection

**29. What is an 'Electrical switchbox' used to house?**

- A) Light fixtures
- B) Receptacles
- C) Switches and wiring
- D) Transformers