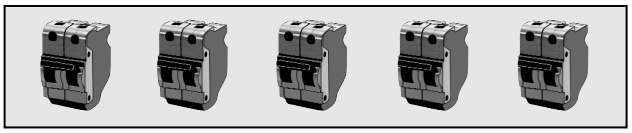
SECTION QUIZ 4-1

Date: _____ Grade: _____



Remember:
Score an 85% or higher on all three quizzes and you may be exempt from the chapter test!



Congratulations! You have completed this section!
Answer the following questions to test your understanding of the material. When you are finished, hand in your quiz to your teacher. Each answer is worth 3.03 points.

1. Working on a house where people live is called a _____-type job.
   (a) industrial (b) commercial (c) residential (d) construction

2. Commercial-type jobs refer to those dealing with: _____.
   (a) houses where people live
   (b) businesses buying/selling goods and services
   (c) factories producing/selling goods and services
   (d) road and bridge construction sites

3. An apprentice is one who: _____.
   (a) works under the direction of a journeyman
   (b) learns a trade by himself
   (c) is self taught
   (d) only studies the trade in books

4. An electrician's "log" refers to: _____.
   (a) a large piece of wood
   (b) a stoppage such as a back log
   (c) a record of day to day activities
   (d) a new piece of electrical equipment

5. Electricity is a logical and predictable science. _____
   (a) True or (b) False

6. The flow of electricity can be compared to the flow of water. _____
   (a) True or (b) False

7. An electrical switch interrupts the flow of current in a circuit. _____
   (a) True or (b) False

8. Electricity is created by: _____.
   (a) motors (b) air (c) generators (d) metallic elements

9. The NEC and UL standards were established to: _____.
   (a) protect electricians
   (b) establish government programs
   (c) test electronic devices
   (d) protect customers

10. The purpose of circuit breakers is to keep an electrical malfunction from causing a(n): _____.
    (a) noise (b) shock (c) fire (d) injury

11. The primary sources of electrical safety are openings called _____ which are created in the flow of electricity.

12. When a circuit breaker trips, it: _____.
    (a) breaks the flow of current in the circuit
    (b) fall over something
    (c) automatically resets itself
    (d) goes to another location

13. A blown fuse or tripped circuit breaker should be reset repeatedly. _____
    (a) True or (b) False

14. The best method to save someone from electrical shock is to:
    _____.
    (a) knock the person off the wire
    (b) shut off the electrical current at the main breaker
    (c) use a wet rope to drag the person to safety
    (d) hold someone else's hand and grab the victim

15. After electrical shock, _____ should be given to the victim who appears not to be breathing.

16. _____ pliers are used to cut thick wire and to make sharp crimps.

17. One type of pliers used to do fine, delicate work is _____ pliers.

18. Edward and his dad used _____ to measure resistance in circuits.
    (a) a chain nose pliers
    (b) an echometer
    (c) a computer
    (d) a clamp-on ammeter

19. Apprentices are placed with experienced electricians to: _____.
    (a) make them nervous
    (b) drive the truck and be a “gofer”
    (c) make sure the apprentice does not do something dangerous
    (d) be sure the electrician is not lonely

20. The electrical schematic of the house was used to: _____.
    (a) fine the location of the house
    (b) estimate the amount of material for the job
    (c) scheme against the homeowner
    (d) find the homeowner

SECTION QUIZ 4-1

21. Wire is sized by: _____.
    (a) inches (b) feet (c) gauge (d) length.

22. The most popular electrical wire size for residential wiring jobs is _____ gauge.

23. The black wire is always: _____.
    (a) 'hot' (b) 'cold' (c) neutral (d) negative

24. A 240-volt circuit has both a _____ and a _____ colored wire which act as positive wires.

25. The _____ wire is the neutral wire, unless otherwise coded.

26. You can always depend on the color of the wire to identify "hot" and "neutral" wires.
    _____ (a) True or (b) False

27. To protect yourself from shock, you should always: _____.
    (a) touch the wire with the back of your hand
    (b) check to see if the circuit is "open" by using a voltage tester
    (c) disregard the color of the wires
    (d) turn loose of the wire quickly if it is "hot"

28. Checking an unconscious person's airway, breathing and circulation (pulse) is known as the _____ of CPR.

29. *"Every job is a self portrait of the person who does it. Autograph your work with _____."*

30. *"Keep company with _____, and good men you will imitate."*

31. *"You have to _____ yourself so that when the time comes, you are ready."*

32. *"Many receive advice; only the _____ profit by it."*

33. *"Learn by _____ —preferably other people's."*