

CHAPTER 9: TOOLS AND EQUIPMENT

Readability Worksheet

Directions

Read the textbook to fill in the missing words from the sentences below.

1. Electricity is defined as the movement of _____ in a conductor.
2. Each atom consists of three particles: _____, _____, and electrons.
3. _____ is the electrical pressure that causes current to flow.
4. Current can be described as the _____ of electrons moving through a conductor.
5. Ohm's Law shows the direct relationship between _____, _____, and _____.
6. All electrical circuits need three things: a _____ source, a _____, and a _____.
7. In a _____ circuit, two or more electrical loads are wired in a single path.
8. In a _____ circuit, two or more electrical loads are wired in separate paths.
9. When testing for voltage, the DMM is connected in _____.
10. To measure current, the DMM is placed in _____.
11. A fuse has a _____ metal strip that will melt if too much _____ is trying to get to the intended load.

12. A _____ allows a circuit to be turned off or on.
13. Each of the _____ cells in a 12-volt DC battery produces 2 to 2.1 volts.
14. In the starting system, the battery converts _____ energy to _____ energy when the operator closes the circuit by engaging the ignition switch.
15. As the starter turns the _____, the flywheel turns the _____ and the pistons move up and down.
16. The charging system converts _____ energy to _____ energy to chemical energy.
17. Keeping a precise regulated voltage helps extend _____ life.
18. An _____ belt that isn't cracked or visibly damaged, could still be worn out and need replacing.
19. A new _____ belt is designed to be stretched over pulleys during installation.
20. High-intensity discharge (HID), also called xenon lights, use an _____ arc to create light.