

Name: _____ Date: _____

Chapter 8 Basics of Electricity

1. Form of energy that when in motion, exhibits magnetic, chemical, or thermal effects
 2. Flow of electricity along a conductor in a complete circuit
 3. Any material that easily conducts electricity
 4. Constant, even flowing current that travels in one direction only
 5. Rapid and interrupted current, flowing first in one direction and then in the opposite direction
 6. Measures the pressure or force that pushes the flow of electrons forward through a conductor
 7. Unit that measures the amount of an electric current
 8. Prevents excessive current from passing through a circuit
 9. The ground connection completes the circuit and carries the current safely away to the ground
 10. Electrical facial treatments
 11. An applicator for directing the electric current from the device to the client's skin
 12. The negative or positive pole of an electric current
 13. The process of introducing water soluble products into the skin with the use of electric current
 14. Infusing a positive (acid) product into the skin with the use of electric current
 15. Known as violet ray, is a thermal or heat producing current with a high rate of oscillation or vibration
 16. A form of energy that travels through space in waves and has both electric and magnetic properties
 17. Has shorter wavelengths, penetrate less, and produces less heat than visible light does
 18. The application of light rays to the skin for the treatment of acne, wrinkles, capillaries or hair removal
- A. Electric current
 - B. (AC) Alternating current
 - C. Electrotherapy
 - D. Ampere (Amp)
 - E. Iontophoresis
 - F. Light therapy (phototherapy)
 - G. Ultraviolet (UV)
 - H. (DC) Direct current
 - I. Red light
 - J. Tesla high-frequency current
 - K. Conductor
 - L. Blue light
 - M. Fuse
 - N. Green light
 - O. Electromagnetic spectrum
 - P. Grounding
 - Q. Volt (voltage)
 - R. Chromophore

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| 19. Acronym that stands for Light Amplification Stimulation Emission of Radiation | S. LED |
| 20. Acronym for Light-Emitting Diode | T. Catoporesis |
| 21. A color component within the skin such as blood or melanin | U. Laser |
| 22. Light shown to reduce acne | V. Yellow light |
| 23. Increases circulation and improves the collagen and elastin production in the skin | W. Electrode |
| 24. Shown to reduce swelling and inflammation | X. Polarity |
| 25. Light that reduces hyperpigmentation | Y. Electricity |