

GIARRANO-JUNIOR COSMETOLOGY- OFF-SITE LEARNING PACKET DAY 8

DIRECTIONS:

1. IF YOUR PACKET BEGINS WITH A SUMMARY AND REVIEW PLEASE READ THOSE PAGES FIRST
2. COMPLETE THE WORK SHEETS AND VOCABULARY WHERE IF INCLUDED. YOU MAY GOOGLE AND REFERENCE THE MILADY WEB SITE FOR VOCABULARY WORDS. NOT ALL ASSIGNMENTS CONTAIN VOCABULARY, OR WORK SHEETS. THEY MAY BE SLIGHTLY DIFFERENT.
3. COMPLETE THE PRACTICE TESTS TO THE BEST OF YOUR ABILITY.
4. YOU MAY USE YOUR MILADY OR COURSEMATE ONLINE PROGRAM TO ASSIST YOU IN ANY WAY.
5. PLEASE PUT YOUR NAME ON EVERY PAGE YOU HAVE COMPLETED.

Name _____

Chapter 13 Basics of Electricity Vocabulary-You may google the Milady terms for their definition (ex. Anode Milady). If you cannot find a Milady definition, google alone is fine.

1. ALTERNATING CURRENT-
2. AMPERE-
3. ANAPHORESIS-
4. CATALYSTS-
5. CATHODE-
6. CIRCUIT BREAKER-
7. COMPLETE ELECTRIC CIRCUIT-
8. CONDUCTOR-
9. DESINCRUSTATION-
10. DIRECT CURRENT-
11. ELECTRIC CURRENT-

12. ELECTRODE-

13. FUSE-

14. GALVANIC CURRENT-

15. GROUNDING-

16. INFRARED LIGHT-

17. INTENSE PULSED LIGHT-

18. INVERTER-

19. INVISIBLE LIGHT-

20. IONTOPHORESIS

21. KILOWATT-

22. LASER-

23. LIGHT-EMITTING DIODE-

24. MICROCURRENT-

25. MILLIAMPERE-

26. MODALITIES

27. NONCONDUCTOR-

28. OHM-

29. POLARITY-

30. RECTIFIER-

31. TESLA HIGH-FREQUENCY CURRENT-

32. ULTRAVIOLET LIGHT-

33. VISIBLE SPECTRUM OF LIGHT-

34. VOLT-

35. WATT-

36. WAVELENGTH-

ESSENTIAL REVIEW

 **ACTIVITY 1** Vocabulary Review


Using the following words, fill in the blanks below. Words or terms may be used more than once or not at all.

Ampere	Anaphoresis	Anode
Cathode	Circuit Breaker	Conductor
Direct current	Desincrustation	Electricity
Electrode	Fuse	Galvanic
Heating cap	Infrared	Infrared rays
Kilowatt	Modalities	Ohm
Polarity	Rectifier	Tesla high frequency

1. _____ is a form of energy that produces magnetic, chemical, and thermal effects.
2. A _____ is a substance that permits electrical current to pass through it.
3. A positive electrode is called a/an _____.
4. A negative electrode is called a/an _____.
5. A _____ is a safety device that prevents excessive current from passing through.
6. An amp or _____ is the unit of measurement for the amount of current running through a wire.
7. An _____ is an applicator that directs the electric current from the machine to the client's skin.
8. _____ is the process of forcing liquids into the tissues from the negative toward the positive pole.
9. Do not use the negative _____ current on skin with broken capillaries, acne, or on a client with high blood pressure.
10. A switch that automatically interrupts or shuts off an electric circuit at the first indication of overload is a _____.
11. _____ rays make up 60% of natural sunlight.
12. The negative or positive state of electric current is _____.
13. The process used to soften and liquefy grease deposits in the hair follicles and pores is _____.
14. The _____ current is a thermal or heat-producing current with a high rate of oscillation or vibration.
15. Currents used in electrical facial and scalp treatments is called _____.

ESSENTIAL EXPERIENCE 4

Identify Other Electrical Equipment

 **ACTIVITY** Electrical Equipment Matching Exercise

Using the clues provided, identify the type of electrical tool from the bank of tools provided. Write the number of the clue next to the electrical tool.

Pg. 282	_____	conventional hood hair dryer
Pg. 282	_____	flat irons
Pg. 283	_____	steamer or vaporizer
Pg. 283	_____	haircoloring processing machines
Pg. 282	_____	heating caps
Pg. 282	_____	ionic hair dryers with crystalline mineral tourmaline and styling irons
Pg. 283	_____	lasers, light-emitting diode (LED), and intense pulse light

Clues:

1. Provides a uniform source of heat and can be used with hair and scalp conditioning treatments.
2. This equipment is considered a medical device that should be used only by licensed professionals.
3. Source of dry heat that can be used to shorten chemical processing time.
4. Produces moist, uniform heat that can be applied to the head or face.
5. Have a built-in heating element and plug directly into a wall outlet.
6. Effective at combating static electricity and flyaway hair.
7. Shorten the time it takes to process chemical hair services.