

# Chapter 10-II: Facial Devices & Technology

## Homework / Quiz

HOMEWORK — STUDENT COPY

Name: \_\_\_\_\_ Date: \_\_\_\_\_ Score: \_\_\_\_\_ / 30

### Section A: Importance & Electrotherapy Basics

Why devices matter and the basics of electrotherapy | Questions 1–5

**Instructions:** Fill in each blank with the correct term.

1. The use of electrical devices for therapeutic benefit on the skin is called \_\_\_\_\_.

**Instructions:** Circle TRUE or FALSE.

2. An esthetician must understand a device's benefits AND its contraindications before using it. △ TRICKY

TRUE FALSE

**Instructions:** Circle the letter of the best answer.

3. An applicator that delivers current to the client's skin is called a(n):

- a) electrode
- b) atomizer
- c) rectifier
- d) diopter

4. Which is a common contraindication for electrotherapy? △ TRICKY

- a) Oily T-zone
- b) Mild dryness
- c) Pacemaker, pregnancy, or metal implants
- d) Normal skin

**Instructions:** Circle TRUE or FALSE.

5. High-quality machines can enhance credibility, results, and revenue.

TRUE FALSE

### Section B: Analysis & Warming Devices

Magnifying lamp, Wood's lamp, hot towel cabinet, steamer | Questions 6–15

**WORD BANK:** magnifying lamp • Wood • steamer • hot towel cabinet • diopter • distilled

**Instructions:** Fill in each blank with the correct term.

6. The lamp that magnifies and illuminates the skin for analysis is the \_\_\_\_\_.

7. The most common diopter (magnification strength) of a magnifying lamp is \_\_\_\_\_. △ TRICKY

8. The filtered black-light device used in a dark room to reveal skin conditions is the \_\_\_\_\_'s lamp. △ TRICKY

**Instructions:** Circle the letter of the best answer.

9. Under a Wood's lamp, oily areas and comedones typically appear: △ TRICKY

- a) Light violet
- b) Brown

- c) Blue-white
- d) Yellow or orange

**Instructions:** Fill in each blank with the correct term.

10. Towels are warmed for facials in the hot \_\_\_\_\_ cabinet (cabbie).

**Instructions:** Circle TRUE or FALSE.

11. You should enter the hot towel cabinet with clean gloves to avoid contamination.

**TRUE      FALSE**

**Instructions:** Fill in each blank with the correct term.

12. The device that produces warm steam to soften sebum and hydrate the skin is the \_\_\_\_\_.

13. A steamer should be filled with \_\_\_\_\_ water to prevent mineral buildup. **△ TRICKY**

**Instructions:** Circle TRUE or FALSE.

14. Steam should be applied directly and closely on inflamed or couperose (rosacea) skin. **△ TRICKY**

**TRUE      FALSE**

**Instructions:** Circle the letter of the best answer.

15. The rotary brush is used mainly for:

- a) Product polarity
- b) Galvanic current
- c) Light mechanical exfoliation and cleansing
- d) Sanitizing the room

## Section C: Galvanic & High-Frequency Current

The two key electrotherapy currents | Questions 16–24

**WORD BANK:** desincrustation • iontophoresis • anaphoresis • cataphoresis • high-frequency • galvanic

**Instructions:** Fill in each blank with the correct term.

16. Galvanic current is a constant \_\_\_\_\_ current used for deep cleansing and product penetration. **△ TRICKY**

17. Using galvanic current with an alkaline solution to soften and emulsify sebum for deep cleansing is \_\_\_\_\_. **△ TRICKY**

18. Using galvanic current to drive water-soluble products into the skin by polarity is \_\_\_\_\_.

19. The galvanic effect using the negative pole to soften tissue and open follicles is \_\_\_\_\_.

20. The galvanic effect using the positive pole to soothe, tighten, and calm the skin is \_\_\_\_\_. **△ TRICKY**

**Instructions:** Circle TRUE or FALSE.

21. Polarity (positive vs negative pole) matters when using galvanic current.

**TRUE      FALSE**

**Instructions:** Fill in each blank with the correct term.

22. The current that uses glass electrodes for a germicidal, stimulating effect is the \_\_\_\_\_ machine.

**Instructions:** Circle TRUE or FALSE.

23. Product penetration is possible with the high-frequency machine. **△ TRICKY**  
**TRUE      FALSE**

**Instructions:** Circle the letter of the best answer.

24. High-frequency current is commonly used to:
- a) Numb the skin
  - b) Inject filler
  - c) Provide antiseptic, healing benefits on acne-prone skin
  - d) Permanently remove hair

## Section D: Spray, Vacuum, Paraffin & Purchasing

Remaining devices and buying decisions | Questions 25–30

**Instructions:** Circle the letter of the best answer.

25. The two effects of the vacuum (suction) machine are to: **△ TRICKY**
- a) Remove impurities/debris and stimulate circulation
  - b) Heat and cool
  - c) Magnify and light
  - d) Mix and warm product

**Instructions:** Fill in each blank with the correct term.

26. The spray (atomizer) machine mists toner or freshener to hydrate and \_\_\_\_\_ the skin.

**Instructions:** Circle the letter of the best answer.

27. To prevent cross-contamination, paraffin wax is best applied: **△ TRICKY**
- a) Over gauze or with a brush, not double-dipping
  - b) Reusing the same wax
  - c) By dipping the client repeatedly into the tank
  - d) With bare hands

**Instructions:** Fill in each blank with the correct term.

28. Electric mitts and boots warm the hands and feet to increase circulation and aid product \_\_\_\_\_.

**Instructions:** Circle TRUE or FALSE.

29. Before purchasing a device, an esthetician should research regulations, insurance, clinical evidence, warranties, and training. **△ TRICKY**  
**TRUE      FALSE**

**Instructions:** Circle the letter of the best answer.

30. Researching insurance before buying a device is important because:
- a) It speeds the facial
  - b) Coverage and liability vary by device and may be required
  - c) It lowers the price
  - d) It improves lighting

## Bonus — Extra Credit

Not counted in the graded total | Questions B1–B2

**Instructions:** Fill in each blank with the correct term.

B1. The galvanic effect at the positive pole is acidic and \_\_\_\_\_ (tightens) the skin.

**Instructions:** Circle TRUE or FALSE.

**B2.** A device with strong clinical evidence and proper training support is a safer investment.

**TRUE      FALSE**

— End of Homework (30 questions + 2 bonus) —