

## GIARRANO-SENIOR COSMETOLOGY- OFF-SITE LEARNING PACKET DAY 9

### 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: \_\_\_\_\_ Class: \_\_\_\_\_ Date: \_\_\_\_\_

ID: A

## Nail Structure and Growth

### Multiple Choice

Identify the choice that best completes the statement or answers the question.

- \_\_\_\_\_ 1. The natural nail is part of what system?
- Muscular
  - Integumentary
  - Skeletal
  - Protective
- \_\_\_\_\_ 2. The natural nail is composed mainly of a hard, fiber-shaped \_\_\_\_\_.
- protein
  - adipose tissue
  - matrix
  - eponychium
- \_\_\_\_\_ 3. Which statement is true of the nail plate?
- It requires oxygen.
  - It is made of living cells.
  - It is more porous than normal skin of equal thickness.
  - It is rigid and impermeable.
- \_\_\_\_\_ 4. As it grows, the \_\_\_\_\_ slides across the nail bed.
- cuticle
  - nail plate
  - nail grooves
  - mantle
- \_\_\_\_\_ 5. The nail plate is formed by the \_\_\_\_\_.
- matrix cells
  - cuticle
  - mantle
  - grooves
- \_\_\_\_\_ 6. Which of the following may appear to be one solid piece, but is actually constructed of about 100 layers of nail cells?
- Lunula
  - Nail bed
  - Nail folds
  - Nail plate
- \_\_\_\_\_ 7. The part of the nail plate that extends over the tip of the finger or toe is called the \_\_\_\_\_.
- cuticle area
  - nail body
  - free edge
  - extension

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- \_\_\_\_\_ 8. The portion of living skin that supports the nail plate is the nail \_\_\_\_\_.  
a. root  
b. bed  
c. groove  
d. matrix
- \_\_\_\_\_ 9. Which part of the nail unit is richly supplied with blood vessels and with nerves?  
a. Lunula  
b. Nail bed  
c. Nail folds  
d. Nail plate
- \_\_\_\_\_ 10. The nail bed contains many nerves and is attached to the nail plate with a thin layer of tissue called the \_\_\_\_\_.  
a. bed eponychium  
b. bed lunula  
c. nail mantle  
d. bed epithelium
- \_\_\_\_\_ 11. Karen is very nervous at her first job interview. Her hands are sweating so much that she thinks her fingernails are sweating. In reality, from which part of the nail unit is the sweat most likely arising?  
a. Lunula  
b. Nail bed  
c. Nail folds  
d. Nail plate
- \_\_\_\_\_ 12. Nail polish is applied to the \_\_\_\_\_.  
a. lunula  
b. nail bed  
c. nail folds  
d. nail plate
- \_\_\_\_\_ 13. The area of the nail where the nail plate cells are formed is the \_\_\_\_\_.  
a. extension  
b. matrix  
c. lunula  
d. free edge
- \_\_\_\_\_ 14. The lighter color of the \_\_\_\_\_ shows the true color of the matrix.  
a. lunula  
b. nail bed  
c. nail folds  
d. nail plate
- \_\_\_\_\_ 15. The dead, colorless tissue attached to the natural nail plate is the \_\_\_\_\_.  
a. ligament  
b. eponychium  
c. cuticle  
d. lunula

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- \_\_\_\_\_ 16. The living skin at the base of the nail plate is the \_\_\_\_\_.  
a. eponychium  
b. hyponychium  
c. free edge  
d. bed epithelium
- \_\_\_\_\_ 17. The slightly thickened layer of skin that lies between the fingertip and the free edge of the natural nail plate is the \_\_\_\_\_.  
a. eponychium  
b. mantle  
c. hyponychium  
d. matrix
- \_\_\_\_\_ 18. When clipping his own nails, Jose accidentally (and painfully) clips the skin under the nail between the fingertip and the free edge. What has he clipped?  
a. Ligament  
b. Hyponychium  
c. Nail groove  
d. Eponychium
- \_\_\_\_\_ 19. The tough band of fibrous tissue that connects bones is the \_\_\_\_\_.  
a. bed epithelium  
b. ligament  
c. open muscle  
d. nail tendon
- \_\_\_\_\_ 20. The nail bed and matrix bed are attached to the underlying bone by \_\_\_\_\_.  
a. ligaments  
b. nail folds  
c. nail grooves  
d. eponychium cells
- \_\_\_\_\_ 21. The skin that overlaps the side of the nail is called the \_\_\_\_\_.  
a. lateral matrix  
b. sidewall  
c. nail wall  
d. eponychium
- \_\_\_\_\_ 22. Normal, healthy nails grow in a variety of shapes, depending upon the shape of the \_\_\_\_\_.  
a. fingers  
b. eponychium  
c. matrix  
d. free edge
- \_\_\_\_\_ 23. A longer nail matrix produces a \_\_\_\_\_ nail plate.  
a. longer  
b. shorter  
c. thicker  
d. thinner

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- \_\_\_\_\_ 24. Nail growth rates increase dramatically during \_\_\_\_\_.
- a. winter
  - b. old age
  - c. the last trimester of pregnancy
  - d. after pregnancy and the delivery of a baby
- \_\_\_\_\_ 25. As a person ages, parts of the nail matrix begin to permanently slow down production, causing \_\_\_\_\_.
- a. nails to fall off with even slight injuries
  - b. death of the nail bed and cessation of nail growth
  - c. the development of nail ridges that should be filed away
  - d. the plate to develop a series of narrow grooves running down the length of the plate