

CHAPTER 5: The Integumentary System

Part I: Objective Based Questions

Objective 1

- 1. C
- 2. A

- 3. D
- 4. B

- 5. D

Objective 2

- 1. D
- 2. A
- 3. A
- 4. D
- 5. stratum corneum
- 6. stratum lucidum

7. **Figure 5-1**
- A. epidermis
 - B. dermis
 - C. hypodermis
 - D. hair shaft
 - E. sebaceous gland
 - F. arrector pili muscle

- G. hair follicle
- H. touch pressure receptor
- I. nerve fiber
- J. sweat gland
- K. blood vessels
- L. fat (adipose)

Objective 3

- 1. C
- 2. D
- 3. A

- 4. B
- 5. melanin
- 6. melanin

- 7. **BC**

Objective 4

- 1. D
- 2. C

- 3. A
- 4. B

- 5. D

Objective 5

- 1. D
- 2. D

- 3. D
- 4. DNA

- 5. ultraviolet light

Objective 6

- 1. C
- 2. D
- 3. C
- 4. A
- 5. B
- 6. B
- 7. nails
- 8. follicle

- 9. eyelashes
- 10. goosebumps
- 11. **Figure 5-2**
- A. free edge
- B. hyponychium (underneath)
- C. nail bed (underneath)
- D. lateral nail groove
- E. lunular (cuticle)

- F. eponychium
- G. nail root
- H. eponychium
- I. lunula
- J. nail body
- K. hyponychium
- L. phalanx (bone of fingertips)

Objective 7

- 1. **ABC**
- 2. C

- 3. D
- 4. B

- 5. C
- 6. A

Objective 8

- 1. A
- 2. D

- 3. B
- 4. C

- 5. D

Objective 9

- 1. D
- 2. D

- 3. C
- 4. **B**

- 5. melanocyte
- 6. glandular