Integumentary System Review Worksheet

1. List the five functions of the integumentary system
   A.
   B.
   C.
   D.
   E.

2. Match the skin structure to its tissue type
   (There may be more than one correct answer for each)
   
   A. Epidermis ________________
   B. Dermis ________________
   C. Subcutaneous ________________

   I. Simple squamous
   II. Simple cuboidal
   III. Simple columnar
   IV. Stratified squamous
   V. Stratified cuboidal
   VI. Loose Connective
   VII. Adipose
   VIII. Dense Connective

3. Label the following structures on the image

   ________________________________
   ________________________________
   ________________________________
   ________________________________
   ________________________________
   ________________________________
4. Contrast the stratum corneum and stratum germinativum

5. Identify the primary reason why skin color varies between individuals

6. Match the following pigments found in skin to their descriptions
   *There may be more than one correct answer for each*

   A. Melanin  
   B. Carotene  
   C. Blood *(Hemoglobin)*

   I. Brown, black, yellow pigment  
   II. Not easily noticeable unless large amounts are consumed  
   III. Produced at the base of the epidermis  
   IV. Pink to red pigment  
   V. Important for proper functioning of photoreceptors in the eye  
   VI. Gives some UV protection  
   VII. Yellow to orange pigment  
   VIII. Continued constriction may lead to cyanosis  
   IX. Overall shin shade is dependent upon the amount of this pigment  
   X. Shade depends on dilation of vessels

7. List at least three specific functions of hair
   A. 
   B. 
   C. 

8. Identify any surfaces that do not contain hair
9. Describe the process of nail growth

10. Label the following structures on the image

11. Match the following glands found in skin to their descriptions

   (There may be more than one correct answer for each)

   A. Sebaceous  ________________  
      I. Protects skin from drying out
         II. Secrete sweat
         III. Widely distributed
      
   B. Apocrine  ________________  
      IV. Inhibits bacterial growth
      V. Connected to hair follicles
         (most of the time)
      
   C. Merocrine (Eccrine)  ________________  
      VI. Aid in thermoregulation
      VII. Secrete oily sebum
      VIII. Found in armpit & groin
12. Describe the process of hair growth

13. Label the following structures on the image

14. Describe the events that occur during skin repair

15. Distinguish between the three classifications of burns
   Describe in terms of what layers of skin are killed and what is injured