9. Using the key choices, choose all responses that apply to the following descriptions. Enter the appropriate letter(s) or term(s) in the answer blanks.

Key Choices

A. Stratum basale	D. Stratum lucidum	G. Reticular layer			
B. Stratum corneum	E. Stratum spinosum	H. Epidermis as a whole			
C. Stratum granulosum	F. Papillary layer	I. Dermis as a whole			
Stratum lucidum:	1. Translucent cells, containin	g keratin			
Stratum corneum lucid 1271 Strata containing all or mostly dead cells					
Papillary layer 3. Dermis layer responsible for fingerprints					
Dermis	4. Vascular region				
Stratum basale5. Epidermal region involved in rapid cell division; most inferior epidermal layer					
Stratum Corneym6. Scalelike cells full of keratin that constantly flake off					
Dermis 7. Site of elastic and collagen fibers					
Stratum basale 8. Site of melanin formation					
epidermis 9. Major skin area from which the derivatives (hair, nails) arise					
Stratum Corneum10. Epidermal layer containing the oldest cells					
dermis1	1. When tanned becomes leat	her			
10. Circle the term that does not belong in each of the following groupings.					

1. Reticular layer (Keratin) Dermal papillae Meissner's corpuscles

2. Melanin Freckle (Wart) Malignant melanoma

3. Prickle cells (Stratum basale) Stratum spinosum Cell shrinkage

4. Meissner's corpuscles Lamellar corpuscles Merkel cells Arrector pili

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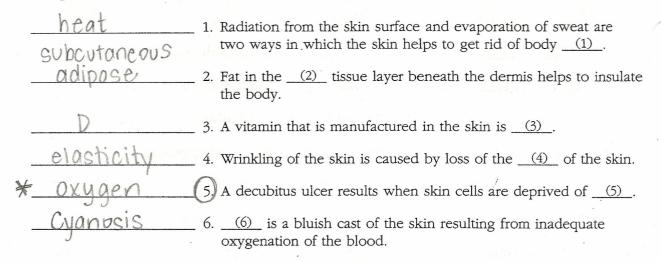
Same

11. This exercise examines the relative importance of three pigments in determining skin color. Indicate which pigment is identified by the following descriptions by inserting the appropriate answer from the key choices in the answer blanks.

Key Choices

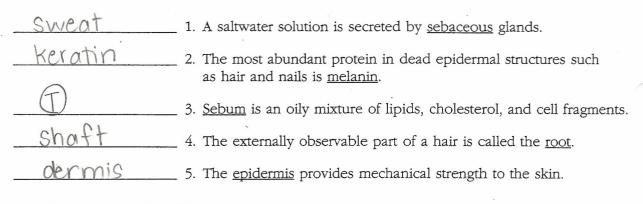
B. Hemoglobin C. Melanin
1. Most responsible for the skin color of dark-skinned people
_ 2. Provides an orange cast to the skin
_ 3. Provides a natural sunscreen
4. Most responsible for the skin color of Caucasians
5. Phagocytized by keratinocytes
_ 6. Found predominantly in the stratum corneum
7. Found within red blood cells in the blood vessels

12. Complete the following statements in the blanks provided.

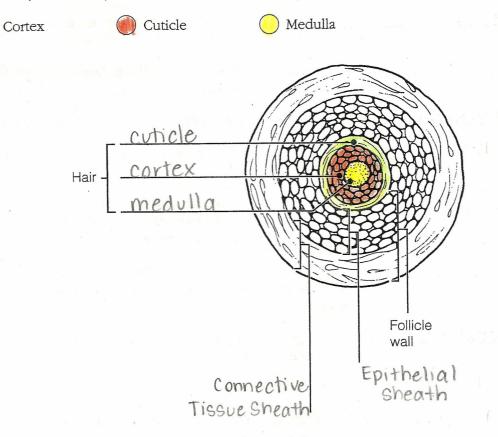


Appendages of the Skin

13. For each true statement, write *T*. For each false statement, correct the <u>underlined</u> word(s) and insert your correction in the answer blank.



- 14. Figure 4-3 is a diagram of a cross-sectional view of a hair in its follicle. Complete this figure by following the directions in steps 1-3.
 - 1. Identify the two portions of the follicle wall by placing the correct name of the sheath at the end of the appropriate leader line.
 - 2. Use different colors to color these regions.
 - 3. Label, color-code, and color the three following regions of the hair.





15. Circle the term that does not belong in each of the following groupings.

*(

	1. Luxuriant hair gro	wth Testoster	Poor nutr	tion) Good blood supply
	2. Vitamin D	Cholesterol U	V radiation Ke	ratin
	3. Stratum corneum) Nail matrix	Hair bulb	Stratum basale
	4. Scent glands	Eccrine glands	Apocrine glands	Axilla
	5. Terminal hair	Vellus hair	Dark, coarse hair	Eyebrow hair
16.	What is the scientific	term for baldness?	Alopecia	

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17. Using the key choices, complete the following statements. Insert the appropriate letter(s) or term(s) in the answer blanks.

Eccrine glands

Erythema

Wrinkles

Key Choices				
A. Arrector pili C.	Hair E. Sebaceous glands G. Sweat gland (eccrine)			
B. Cutaneous receptors D.	Hair follicle(s) F. Sweat gland (apocrine)			
Sebaceous glands 1.	A blackhead is an accumulation of oily material produced by(1)			
arrector pili 2.	Tiny muscles attached to hair follicles that pull the hair upright during fright or cold are called (2) .			
Sweat (eccrine) gland 3.	The most numerous variety of perspiration gland is the (3) .			
hair follicle 4.	A sheath formed of both epithelial and connective tissues is the (4) .			
<u>Sweat lapoerine)</u> 5.	A less numerous variety of perspiration gland is the <u>(5)</u> . Its secretion (often milky in appearance) contains proteins and other substances that favor bacterial growth.			
hair 6.	(6) is found everywhere on the body except the palms of the hands, soles of the feet, and lips, and it primarily consists of dead keratinized cells.			
cutaneous receptors7. sebaceous à	(7) are specialized nerve endings that respond to temperature and touch, for example.			
Sweat Lapocrine) 8	(8) become more active at puberty.			
Sweat (eccrine) 9	Part of the heat-liberating apparatus of the body is the (9) .			
sebaceous 10	. Secretin contains bacteria-killing substances.			
18. Circle the term that does not belong in each of the following groupings.				
1. Sebaceous gland	Hair Arrector pili Epidermis			
2. Radiation Abso	orption Conduction Evaporation			
3. Cortex Medulla	Cuticle Epithelial sheath			

Apocrine glands

Pallor

Axilla

- 4. Scent glands
- 5. Cyanosis