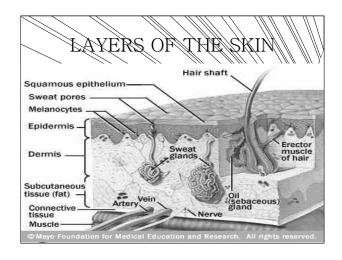
THE INTEGUMENTARY SYSTEM Reymond Nelson (2009). Do not reproduce without permission.	
Integumentary System	
Layers of the Skin Sudoriferous (sweat) Glands Functions of the Skin	
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INTEGUMENTARY SYSTAM THE SKIN AND ALL OF TAS ASSOCIATED STRUCTURES	
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EPIDERMIS

- Outermost portion of the skin Subdivided into Strata
- Stratum Basale/Stratum Germinativum
- Keratin
- Stratum Corneum
- Exfoliation
- Melanin
- Melanocytes

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Everything You Ever Wanted to Know About Sweating

- Eccrine glands located throughout the body.

 Denser concentrations in palms and feet
 - Enervated by Acetylcholine
 - Regulated in part by the Hypothalmus
- Apocrine glands located mainly in private areas

 Cholinergic and hormonal (adrenergic) activation
 - Hair folicles Foster production of bacteria (BO)
 - Thought to play a role in mating for some species
- Three main types of sweating
 - emotional sweating—tear and anxiety stimulate cholinergic activity in the hypothalamus thermoregulatory sweating—hypothalamic acetylerother signs
 - gustatory sweating spicy food
- Sweating Disorder
 - Hyperhidrosis (Reynaud's) excessive sweating (axillary or
- palmar)
- Frey's syndrome facial sweating in response to salivatory stim-Raymond Nelson (2009). Do not reproduce without permission.

DERMIS	
• "True Skin"	
Dermiat Papitlae	
	-
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Subcuntaneous Vaver	
Hypodermis	-
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Sudoriferous Chands	
• Sweat Glands	
Located in the dermis and substanting the	
#Eccrine	
×Apocrine	
*Ceruminous Glands	
★Citiary Glands ★Mammary Glands	
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FUNCTIONS OF THE · Protects against infection Protects against dehydration · Regulates body temperature · Collects sensory information Raymond Nelson (2009). Do not reproduce without permission Regulates Body Temperature · Vessels in skin constrict in cold weather · Vessels dilate to cool the body · Role of the sweat glands Raymond Nelson (2009). Do not reproduce without permission. Collects Sensory Information · One of the chief sensory organizin th body • Meissner corpuscle Pacinian corpuscle Raymond Nelson (2009). Do not reproduce without permission.