

Unit One Homework Assignment
Chapter 6 // The Integument System

Introduction to the Integumentary System (14 min)

1. What are the parts to the integumentary system?
2. What are the two layers of skin? Function of each
3. How does the epidermis get nutrients? From where?
4. What is located below the dermis? Two names? Function
5. What are the four layers of the epidermis?
6. What are the superficial dead cells filled up with? Why?
7. What are the two regions of the dermis? Function of each region?
8. What are the dermal papillae? Function?
9. What is the location and structure of the reticular layer?
10. What cell produces melanin? Cells location? Function?
11. What other molecules contribute to the color of skin?
12. What is hair?
13. What is the hair follicle?
14. What are the arrector pili? Function?
15. What are the two type of hairs?
16. What are nails made up of?
17. What type of glands are in the skin?

National Geographic: Skin (5:30 min)

1. What is the bodies largest organ?
2. What does skin look like if you magnify it 600X?
3. What inhabits every square inch of our skin?
4. How much skin do we shed each year? What percent of the dust in our house?
5. How much does all you skin weight?
6. How long does it take to replace your skin?
7. How do we get rid of excess heat?
8. How much sweat can we create in an hour?

Burns: First, Second, and Third Degree Burns (8:30 min)

1. What two criteria are used to describe burns?
2. What is a first degree burn?
3. What is a second degree burn?
4. What is a third degree burn?
5. What is a fourth degree burn?

Skin Cancers (5:24 min)

1. What are the three kinds of skin cancers?
2. How may you identify basal cell skin cancer?
3. How may you identify squamous cell skin cancer?
4. What is least common skin cancer? Most dangerous? Cue rate if diagnosed early?
5. How may our identify melanoma?

4. What is a third degree burn? Full thickness burn / into the hypodermis / dry leathery appearance / blistering / no blanching / no sensation / scarring and contracture / skin graft required /
5. What is a fourth degree burn? damage into muscles and bone

Skin Cancers (5:24 min)

1. What are the three kinds of skin cancers? basal cell skin, squamous cell skin cancer, melanoma
2. How may you identify basal cell skin cancer? common on face or neck / firm, red bumps / may have small blood vessels on top / may crack and bleed / least dangerous of skin cancers
3. How may you identify squamous cell skin cancer? thickened raised wart like growth / may have a crusted look
4. What is least common skin cancer? Most dangerous? Cure rate if diagnosed early? melanoma / 95%
5. How may you identify melanoma? asymmetry, border (irregular margins), mixture of colors from black to red, large diameter, change in spot size and color,