

Integumentary System Name _____ Pd _____
(Which includes your skin, hair, nails, sweat glands, oil glands)

INTRODUCTION: You will learn about the integumentary system by doing the following: reading, researching, doing a lab, writing a summary and completing a quiz.

BEFORE you start reading, think about the following...

What do you know about the Integumentary System	What specifically do you need/want to know
* * *	* * *

Video 1 <https://www.youtube.com/watch?v=sd39mT047aU> (5min)

1. Skin is the largest _____ of the human body
2. This system includes _____, _____ and various glands that play a major role in maintaining homeostasis.
3. An average adult has the surface area of about _____ square feet of skin.
4. _____ replaces itself every 4 to 6 weeks.
5. What are fingernails made of? _____
6. What glands cause acne? _____
7. What are 2 ways that your skin helps your body?
 1. _____
 2. _____

Video 2 <https://www.youtube.com/watch?v=rh9OzS0fTnw> (5 min)

What is eczema?
 What is psoriasis?
 What is Rosacea?

Video 3 : <https://www.businessinsider.com/dermatologist-reveals-why-men-go-bald-science-hair-2020-1> (4 min)

Why do some men tend to go bald?

List 2 interesting facts you learned.

1. _____
2. _____

Video 4: Why is skin Thick? <https://www.youtube.com/watch?v=eCsrAbUP-10> (7 min)

List 2 interesting facts you learned.

1. _____
2. _____

READING:

Page 505	1. What are the 3 main body parts that make up the integumentary system? 1. _____
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	2. 3.
Page 505-506	2. What are the 5 functions of the skin and what do they do? 1. 2. 3. 4. 5.
Page 507	3. What are the 3 structures of the skin? Attach a picture/diagram 1. 2. 3.
Page 508	4. What are the 3 skin injuries that are most common and explain each. 1. 2. 3.

5. Attach a picture of the layers of skin diagram.

6. Explain what a 1st degree burn is and attach a picture

7. Explain what a 2nd degree burn is and attach a picture

8. Explain what a 3rd degree burn is and attach a picture.

BURNS: Watch the following video: https://www.youtube.com/watch?v=eXO_ApjKPaI (3 min)

Answer the following questions:

23. What do most people die of when they are waiting for their skin to heal after a burn?
24. Matt had _____ degree burns on his body, which means _____ layers of skin were burned.
25. Whose cells get sprayed on the burn patients? _____
26. It takes _____ hours to regrow skin cells using the gun. First degree burns typically heal within six days while second-degree burns usually heal within **three weeks**, according to the American Medical Association.
27. What is your reaction to the skin gun?

Video <https://www.youtube.com/watch?v=eW4F3RJYFIk> (6 min)

9. What is the largest organ in the body?
10. Hair and nails are mostly made up of what?
11. How important is your skin?

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12. How many dead skin cells do you lose in an average minute?
13. What gives skin its color?
14. Why do we sweat?
15. What do your hair and nails do for your body?

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Read page 510-Write a paragraph explaining how you can maintain healthy skin. Give specific examples and details.	
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21-22 Research what a dermatologist is and tell about what they do?

<https://www.verywellhealth.com/dermatologist-3010770> or google sites

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RESEARCHING: Look back at the "what I know" and "what I need to know" list that you wrote at the beginning of this station. What do you still not know, after the reading? That is what you will be researching now.

You will write a paragraph of what you have learned. Write in YOUR own words and explain so you know and understand your topic.

My question is _____.

In the space below write your information you learned)

Skin lab - in class. Turn in the worksheet once you have completed the skin lab.

Integumentary System Quiz

Worth 15 points

1. Please explain what would happen if we did not have skin. (Include at least 3 functions of the skin) **3 points**

1.
2.
3.

MATCHING (1 point each)

2. _____ pigment that colors our skin & protects body by absorbing UV rays
3. _____ openings that allow sweat to reach the surface
4. _____ the outer layer of skin

- A. EPIDERMIS
- B. MELANIN
- C. DERMIS
- D. FOLLICLES

5. _____ the inner layer of skin

E. PORES

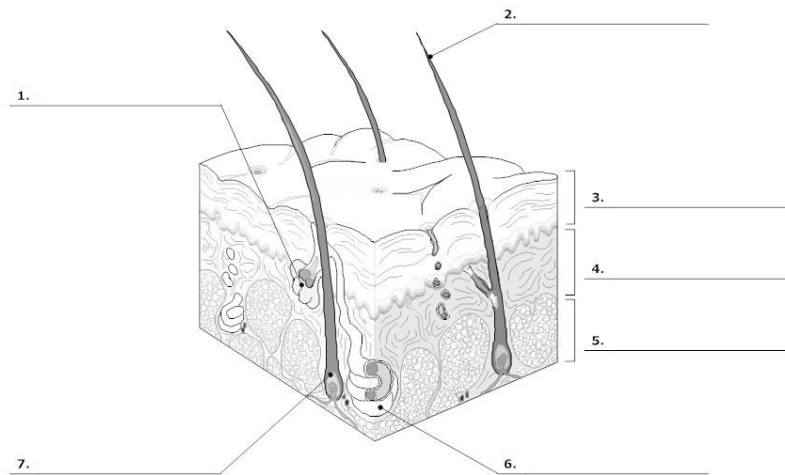
6. _____ where hair grows

Label the word bank using the diagram below with numbers 1-7. Page 507 to help you.

Word bank:

Hair Follicle _____ Dermis _____ Oil gland _____ Hair _____
Sweat gland _____ Epidermis _____ Fatty layer _____

Integumentary System
Skin



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Short answer

14-15. We know that too much sunlight can harm skin cells and cause skin cancer.

How can you protect your skin to prevent skin cancer? (List at least two different ideas)
(Worth 2 points)

1.

2.