

# 3D Skin Model

You will be creating a 3D model of skin structure representing healthy skin and your disease of research. The following list includes all of the structures that should be represented on the healthy section of the model. The disease/injury should represent changes to this structure. This project is worth 30 pts. (See Rubric Below) Have fun and be creative. Think of recycled materials from home that could creatively model these structures!

1. Hair shaft
2. Sweat pore
3. Dermal Papilla
4. Tactile corpuscle
5. Motor nerve fibers
6. Reticular layer of the dermis
7. Sebaceous gland
8. Piloerector muscle
9. Sensory Nerve Fibers
10. Apocrine sweat gland
11. Lamellar/ Pacinian corpuscle
12. Blood capillaries
13. Cutaneous blood vessels
14. Merocrine sweat gland
15. Hair Receptor
16. Hair Follicle
17. Hair Bulb
18. Hypodermis
19. Dermis
20. Epidermis
21. Stratum corneum
22. Stratum lucidum
23. Stratum granulosum
24. Stratum spinosum
25. Stratum basale

## Skin Model Grading:

- A. 25 structures: 0.5 pt. each: Structure modeled and labeled, healthy skin:  
Total: 12.5 pts.
- B. Disease comparison: 10 pts. show changes to healthy structure: modeled and labeled
- C. Organization: 7.5 pts.

Total Points = 30 points