

Anatomy 30 Lab Exercise 6: Integumentary System

I. Lab Objectives

- A. View, draw, and label a microscope slide of skin tissue
- B. Observe a model of the skin and name its structures

Activity 1: Locating Structures on a Skin Model – identify the following structures on the skin model and answer the questions below.

- Epidermis layers (from superficial to deep)	Tissue type?
Stratum corneum	Function?
Type of cells?	Only found where?
Stratum lucidum	What do they produce?
Type of cells?	What protective cells are found in this layer?
Stratum granulosum	What processes occur here?
Type of cells?	
Stratum spinosum	
Type of cells?	
Stratum basale	
3 types of cells?	

Dermis layers

Papillary layer	Sensory cell type?
Type of tissue?	
Reticular layer	2 gland types?
Main tissue type?	Blood vessels present or absent?
Pressure receptor type?	
Hair follicles & arrector pili present or absent?	

Hypodermis (subcutaneous tissue under the skin)

2 tissue types: Blood vessels present or absent?

Activity 2 – Do this

Activity 3 – Omit

Activities 4-6 – Do these

Activity 7: Microscope slide of hairy skin – view the skin microscope slide (Fig. 6.3) provided and be able to identify the following structures.

Epidermis

Dermis

Hair follicles, hair root, sebaceous gland, sweat gland

Hypodermis

Adipose tissue

Activity 8: OMIT

Complete the Lab 6 Review Sheets on pp. 63-66.