

# The Integumentary System

▶ The main functions of the Integumentary system includes, protecting the body from infection, protecting against dehydration, regulating body temperature, storing fat needed for energy, providing sensory input and synthesising vitamin D.



## 3 layers of the skin

The Skin is made up of 3 main layers, the Epidermis, the Dermis (Corneum) and the Subcutaneous fascia (Hypodermis)

### The Epidermis

▶ The Epidermis is the layer of skin exposed to the environment, the skin we can see.

▶ Contains NO blood vessels (AVASCULAR).

▶ The EPIDERMIS has 5 sublayers, referred to as "STRATA":

The Stratum CORNEUM (the most outer layer)

Stratum LUCIDUM

Stratum GRANULOSUM

Stratum SPINOSUM

Stratum BASALE (most inner layer, closest to the Dermal layer)

Here is a mnemonic to remember the layers of the skin:

Come

Lets

Get

Sun

burned



The cells on the Stratum Corneum are FLAT, SCALY, KERATINIZED (Hard) STRATIFIED SQUAMOUS EPITHELIAL type CELLS.

Skin cells on this top layer are constantly being shed.



# Modern Biology Study Guide Integumentary System

**S Marginson**



**Modern Biology Study Guide Integumentary System:**

## Decoding **Modern Biology Study Guide Integumentary System**: Revealing the Captivating Potential of Verbal Expression

In an era characterized by interconnectedness and an insatiable thirst for knowledge, the captivating potential of verbal expression has emerged as a formidable force. Its capability to evoke sentiments, stimulate introspection, and incite profound transformations is genuinely awe-inspiring. Within the pages of "**Modern Biology Study Guide Integumentary System**," a mesmerizing literary creation penned with a celebrated wordsmith, readers set about an enlightening odyssey, unraveling the intricate significance of language and its enduring effect on our lives. In this appraisal, we shall explore the book's central themes, evaluate its distinctive writing style, and gauge its pervasive influence on the hearts and minds of its readership.

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