

# **SNS COLLEGE OF PHARMACY AND HEALTH SCIENCES**

*Affiliated To The Tamil Nadu Dr. MGR Medical University, Chennai*

*Approved by Pharmacy Council of India, New Delhi.*

**Coimbatore -641035**

**COURSE NAME : COSMETIC SCIENCE- BP809ET**

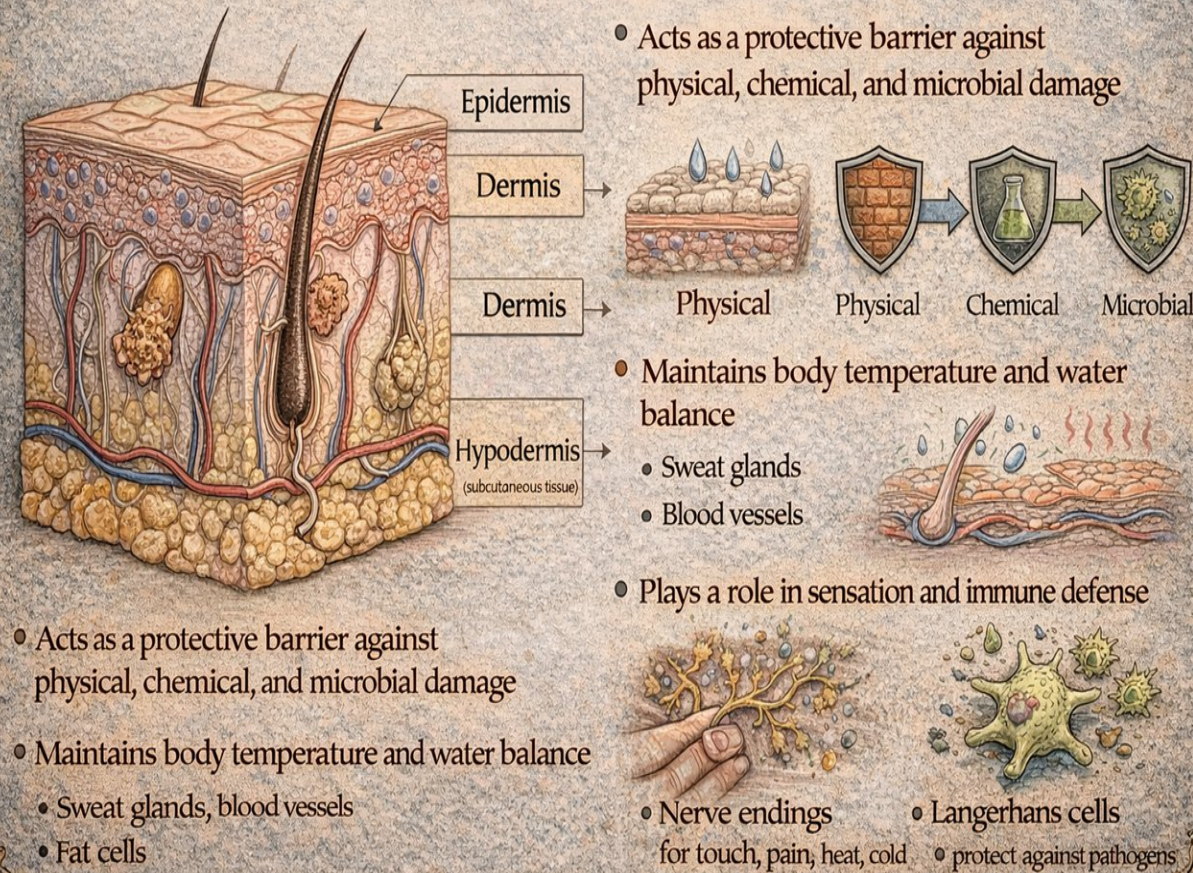
**B.PHARM IV YEAR / VIII SEM**

**UNIT 1**

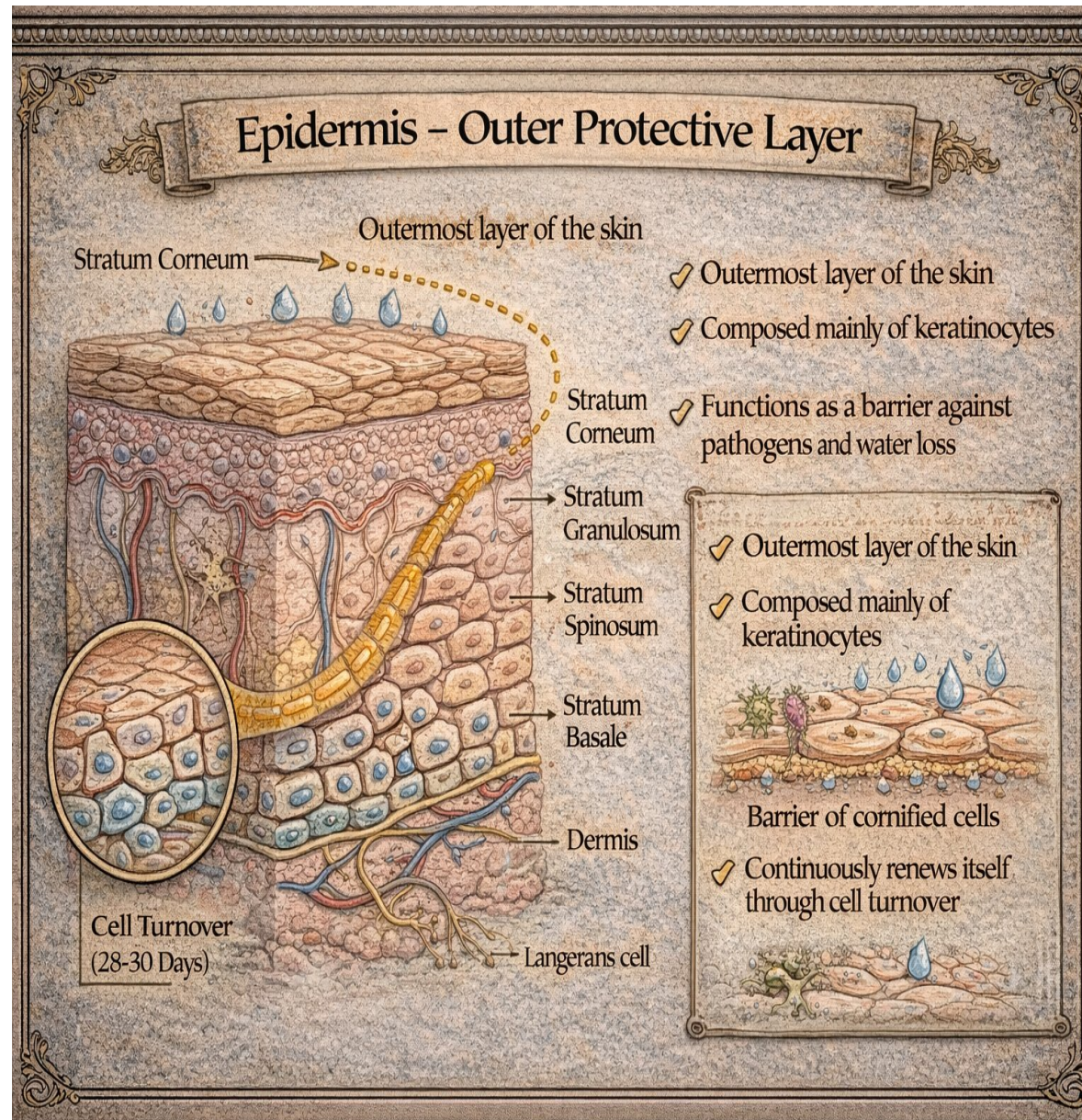
**SUB TOPIC : SKIN, HAIR AND ORAL CAVITY**

## Introduction to Skin Structure

Skin is the largest organ of the human body







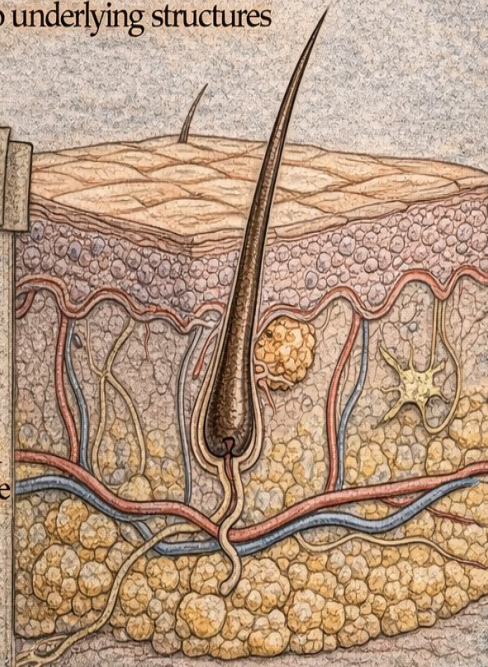


## Hypodermis and Skin Components

- ✓ Deepest layer composed of fat and connective tissue
- ✓ Acts as insulation and energy storage
- ✓ Anchors skin to underlying structures

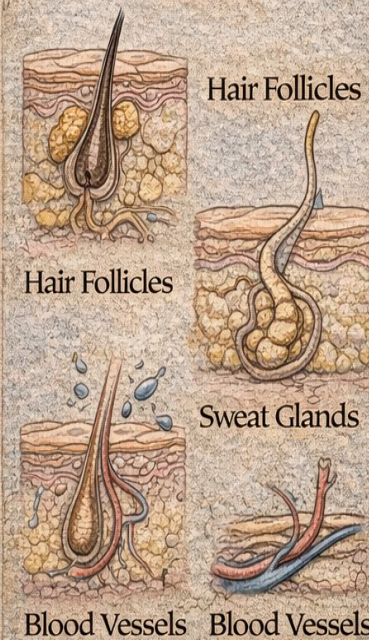
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### Hypodermis (subcutaneous tissue)

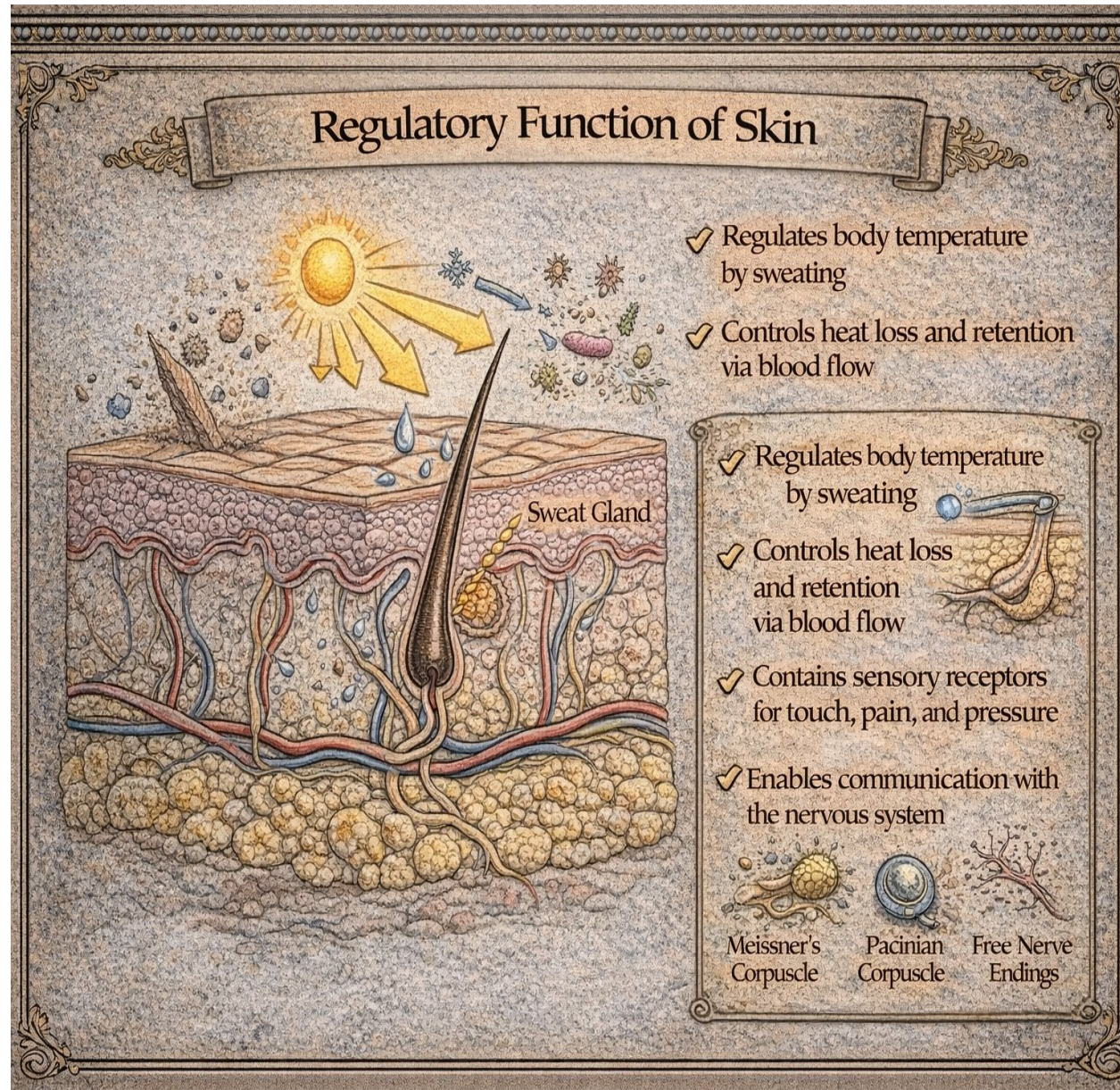
### Major Skin Components Include:













## Synthetic and Excretory Functions



- ✓ Synthesizes Vitamin D upon UV exposure
- ✓ Essential for **calcium absorption** and bone health
- ✓ Excretes waste products such as **salts** and **urea** through sweat
- ✓ Supports metabolic balance.





## Relevance of Skin Functions in Cosmetics

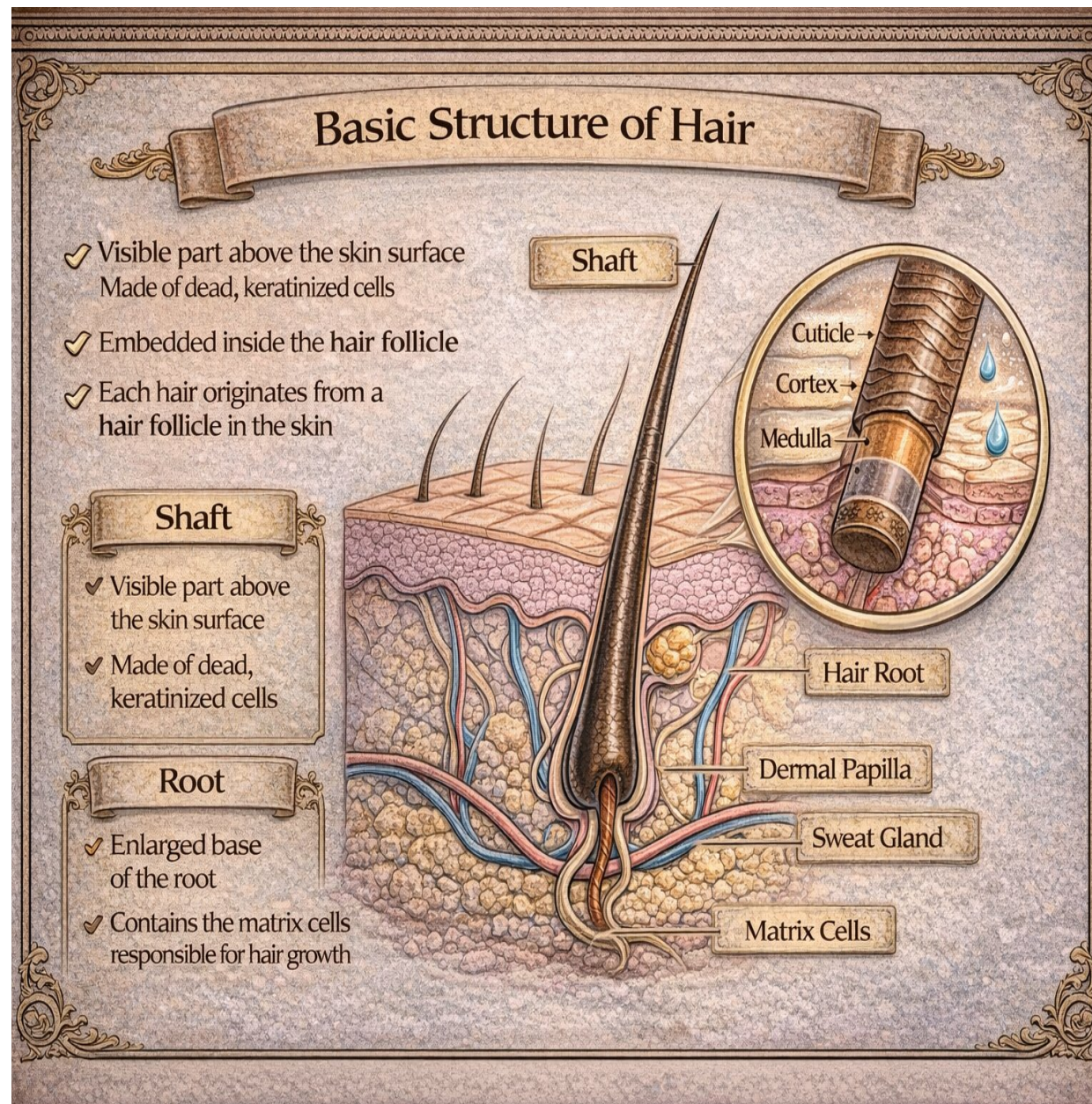
✓ Primary target organ for cosmetic products



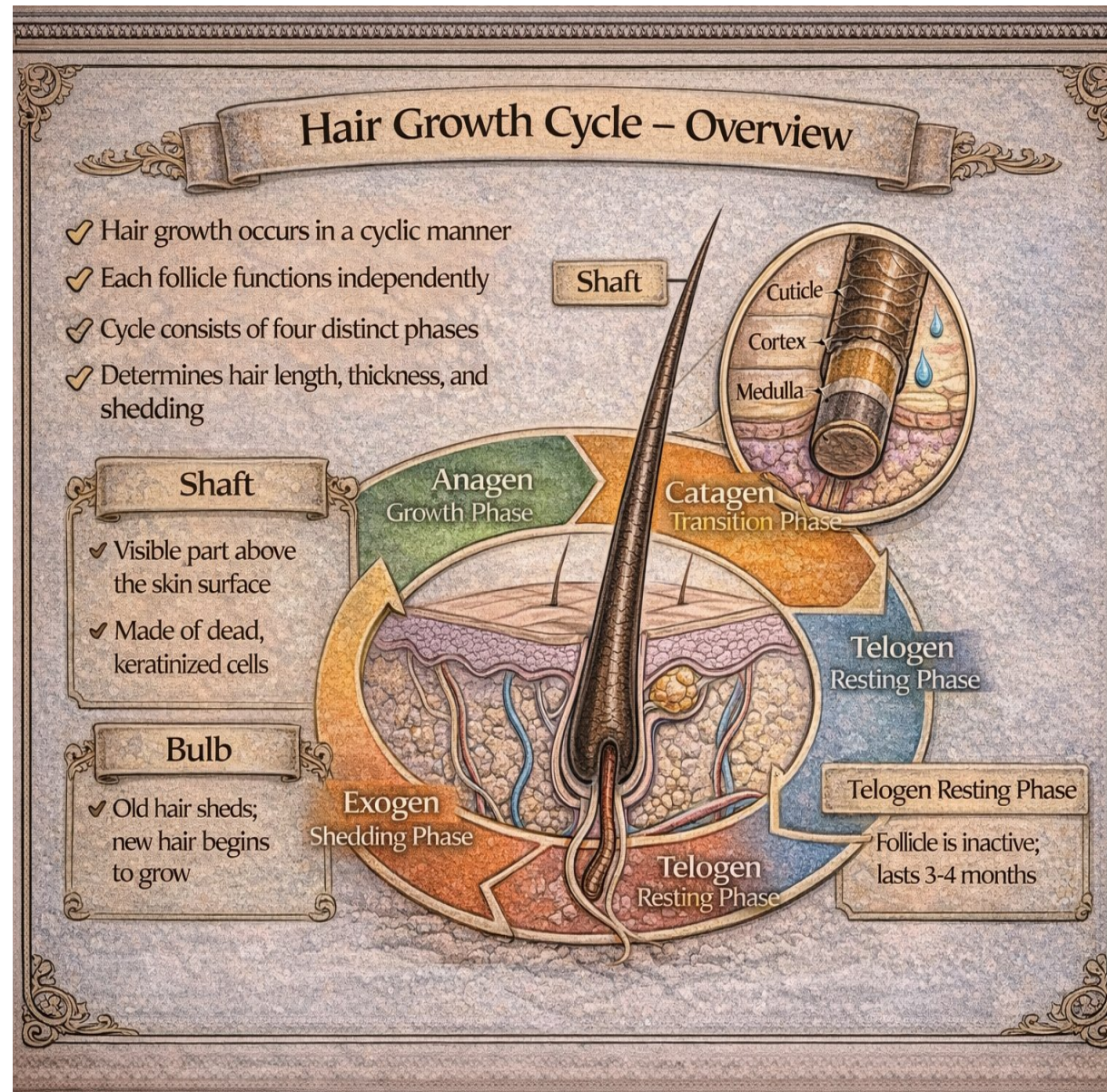




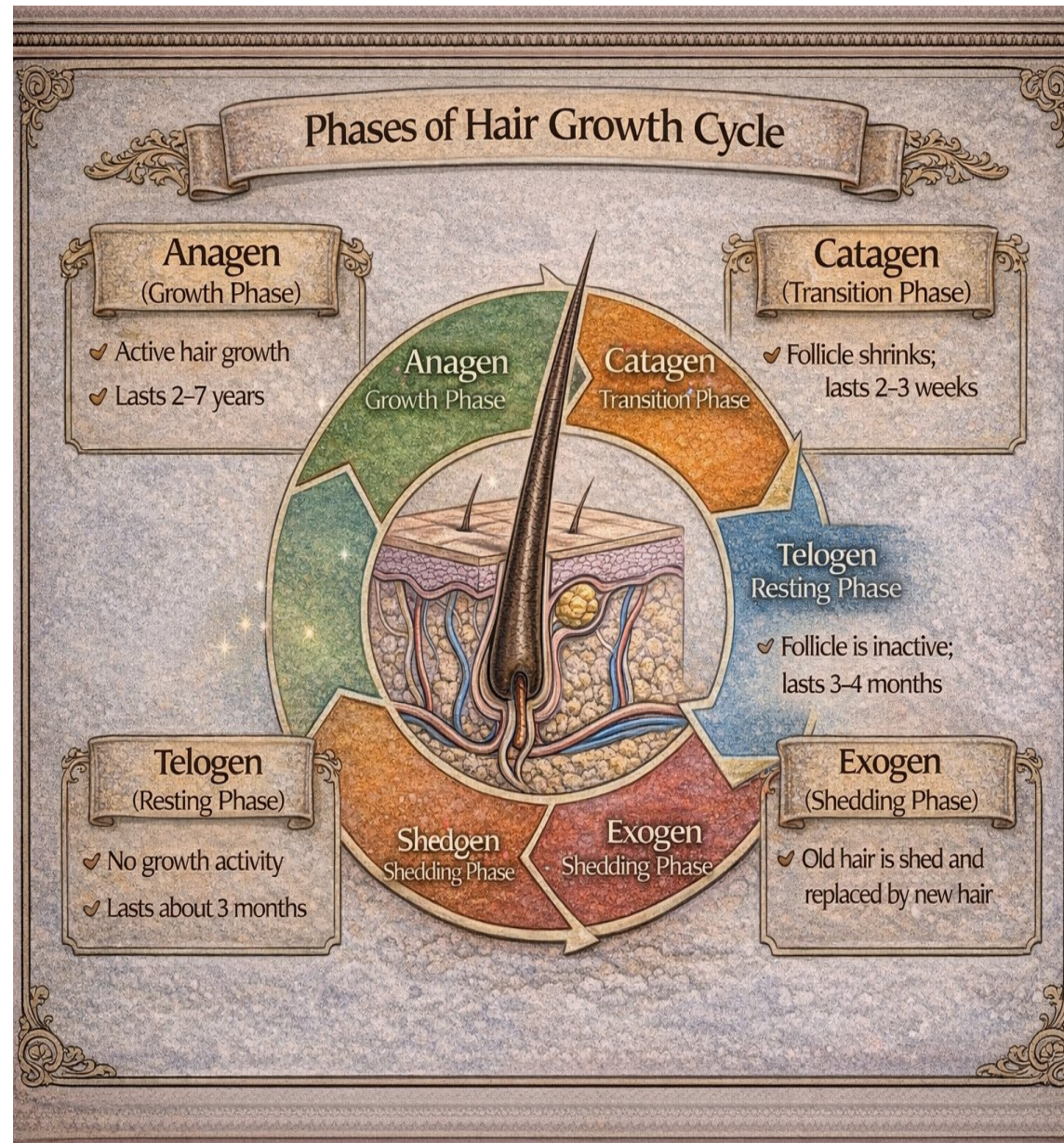




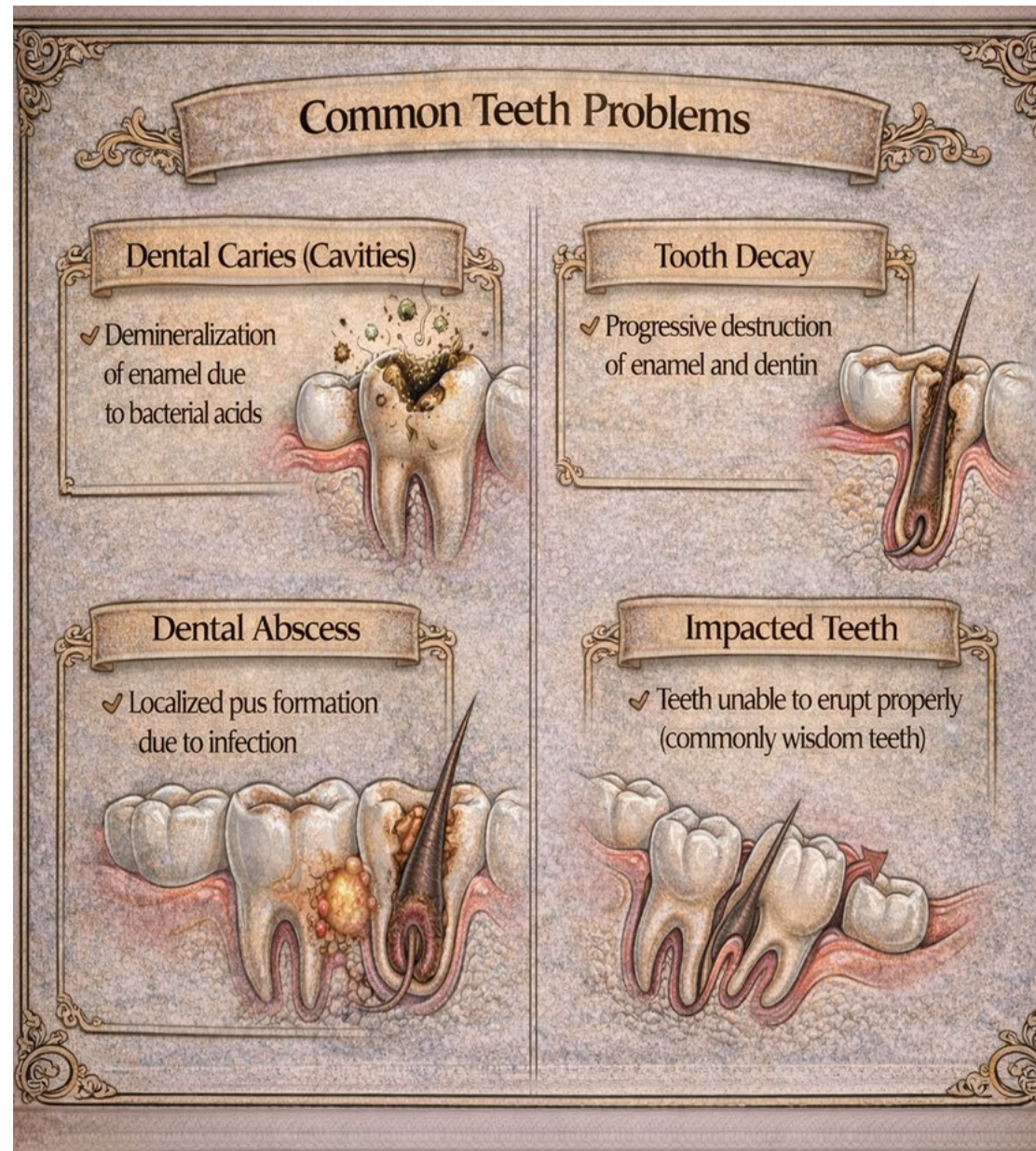




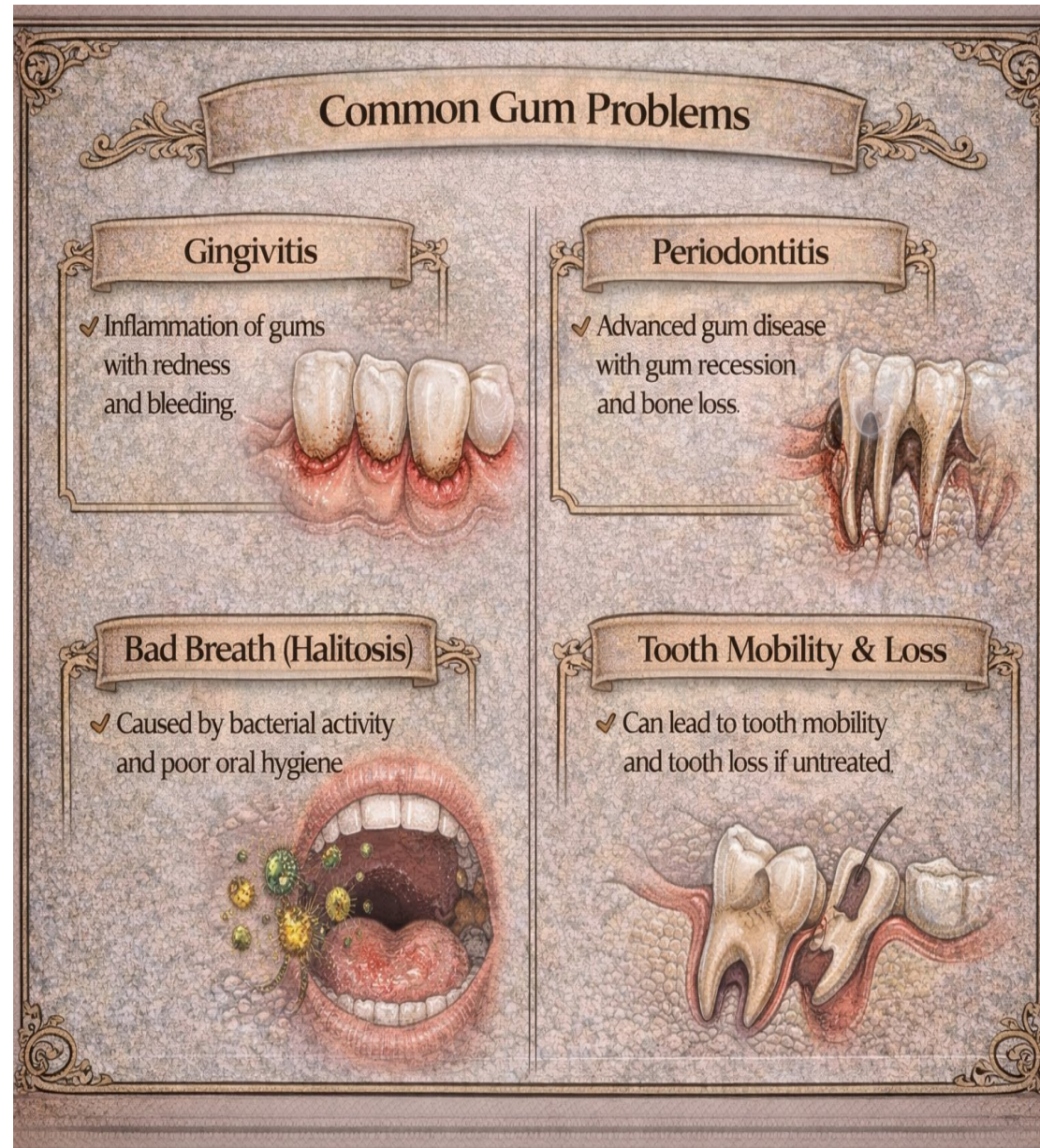




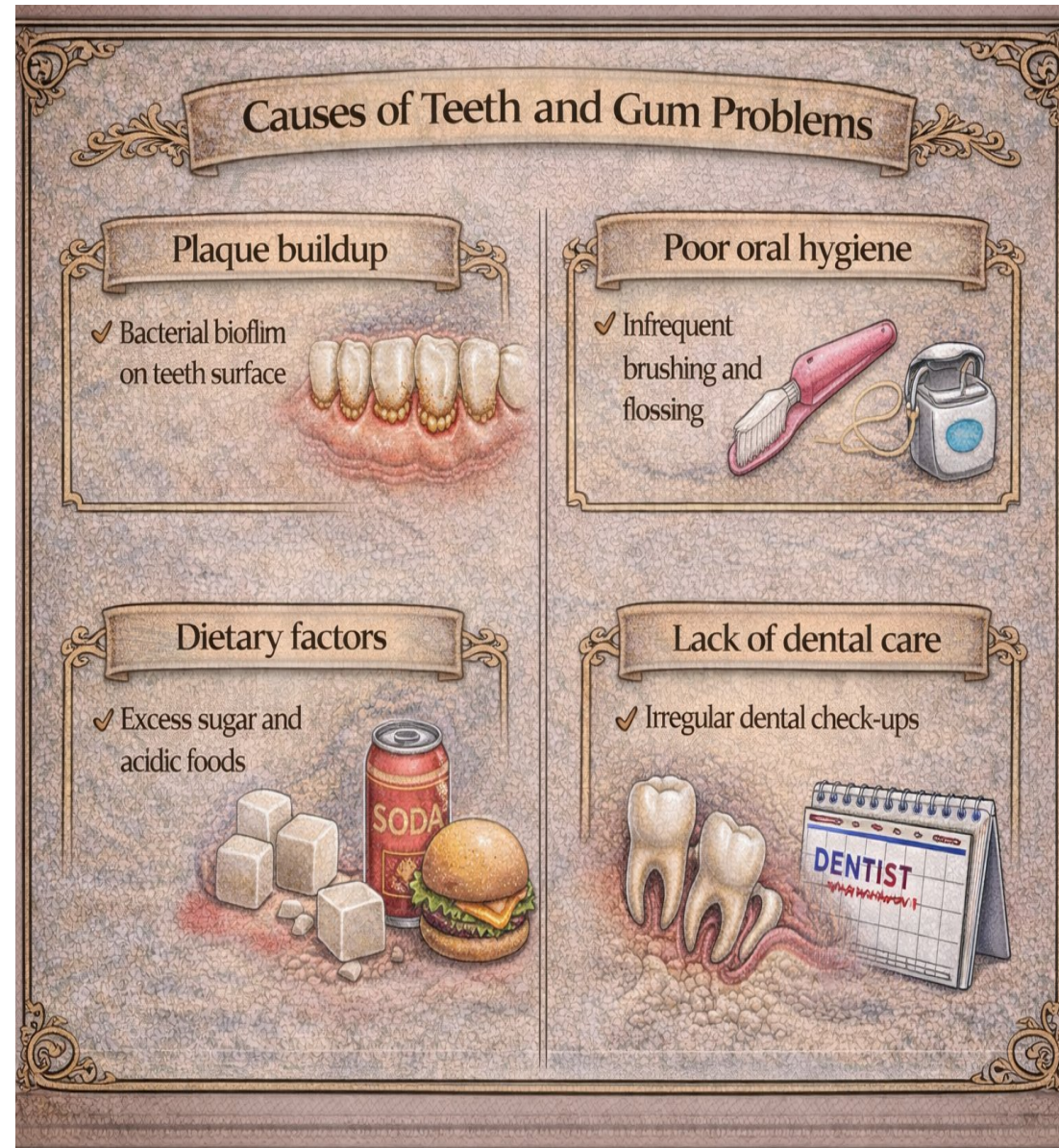




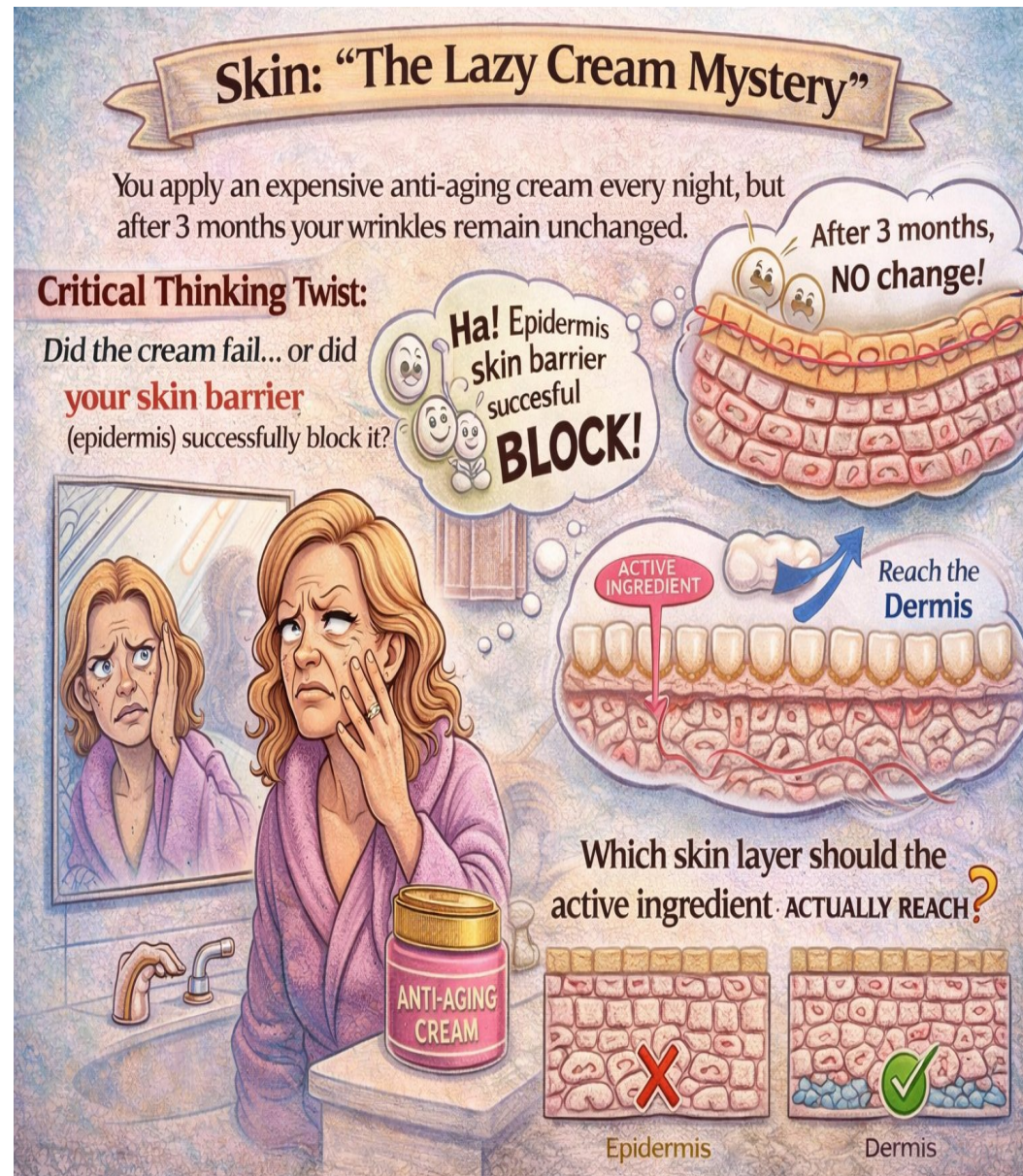














## Hair: “The Hair Fall Blame Game”

A shampoo claims: “Stops hair fall in 7 days!”

After 7 days, your hair still falls—but now it smells amazing.

Well, at least it smells great!

### Critical Thinking Twist:

Can a shampoo really stop hair fall if the follicle is already in the telogen or exogen phase?

Now what...?!



**Critical Thinking Twist:** Can a shampoo really stop hair fall if the follicle is already in the telogen or exogen phase?



Hair Shaft



Hair Bulb



Lesson hidden in humor: **Hair growth cycle** vs marketing claims!



## Teeth: “The Sweet Tooth Paradox”

You brush twice daily, but you also drink sugary tea 6 times a day.  
**Result:** Perfect brushing... perfect cavities.



**Critical Thinking Twist:** Who is the real villain—your toothbrush or your diet-induced plaque bacteria?



Why does brushing alone fail without dietary control?



Why does brushing alone fail without dietary control?

👉 Lesson hidden in humor: **Plaque, sugar, and acid attack dynamics.**



## REFERENCES :

- 1) Harry's Cosmeticology, Wilkinson, Moore, Seventh Edition, George Godwin.
- 2) Cosmetics- Formulations, Manufacturing and Quality Control, P.P. Sharma, 4th Edition, Vandana Publications Pvt. Ltd., Delhi.
- 3) Text book of cosmeticology by Sanju Nanda & Roop K. Khar, Tata Publishers.



