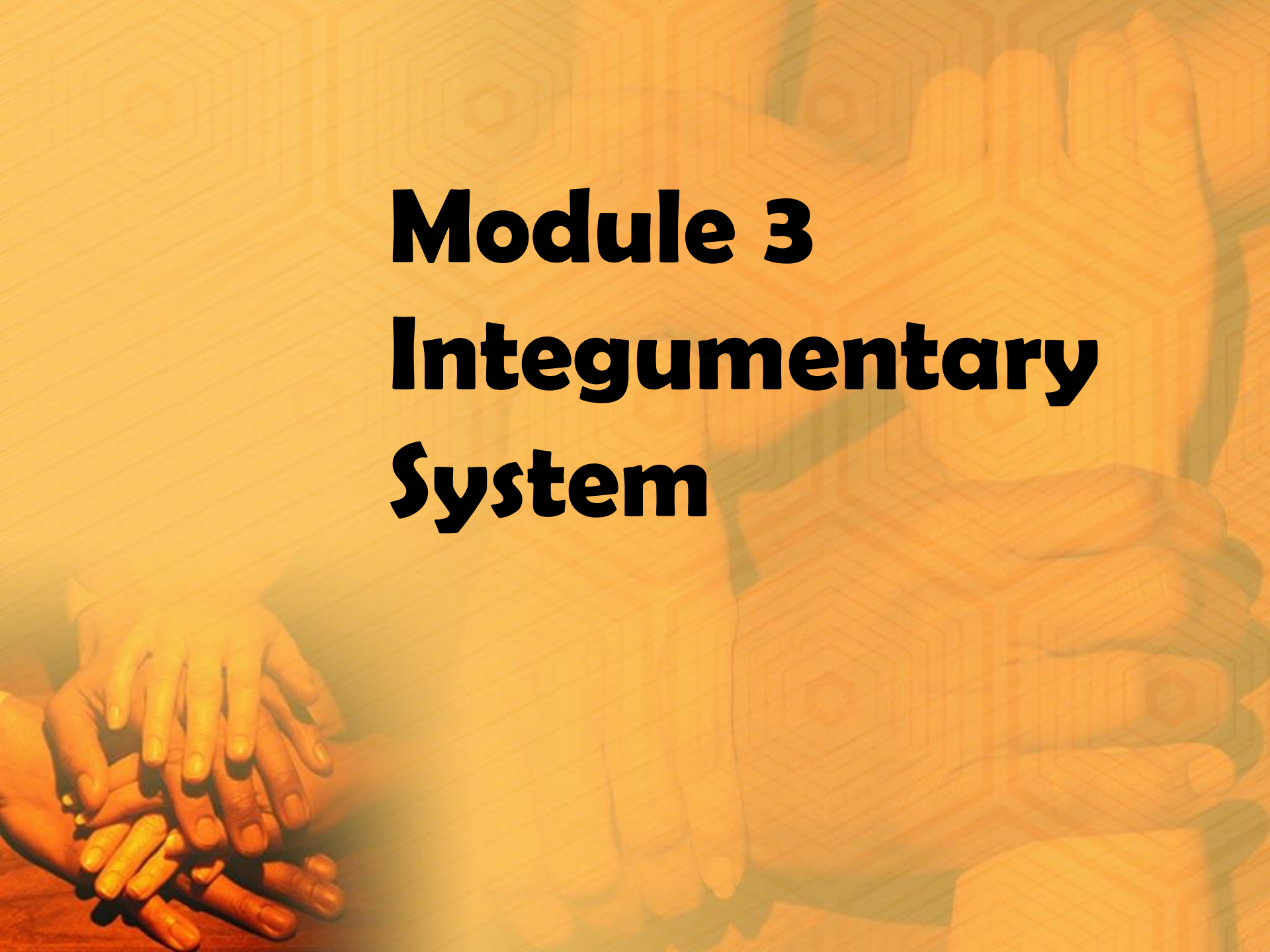


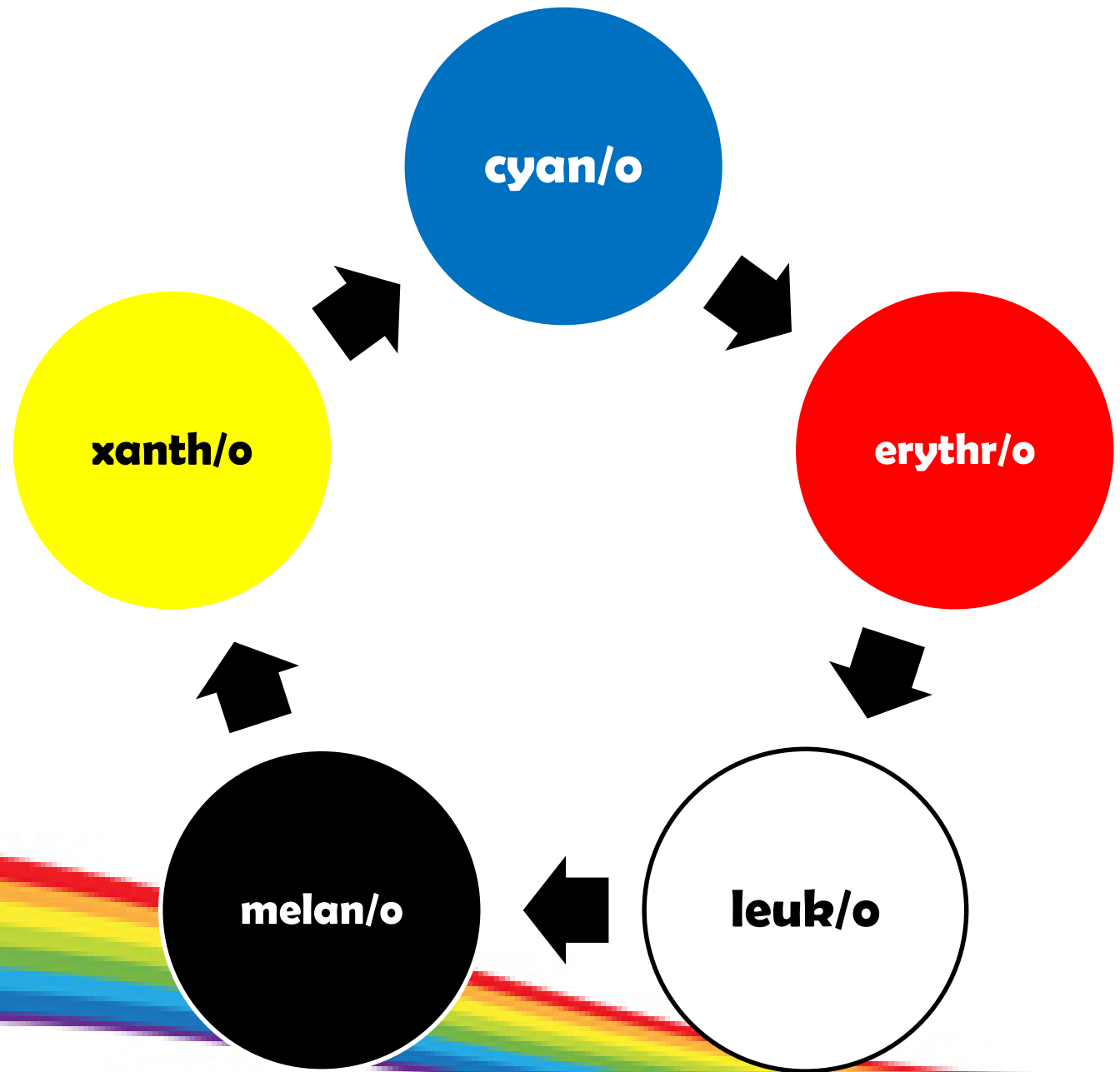
Module 3

Integumentary

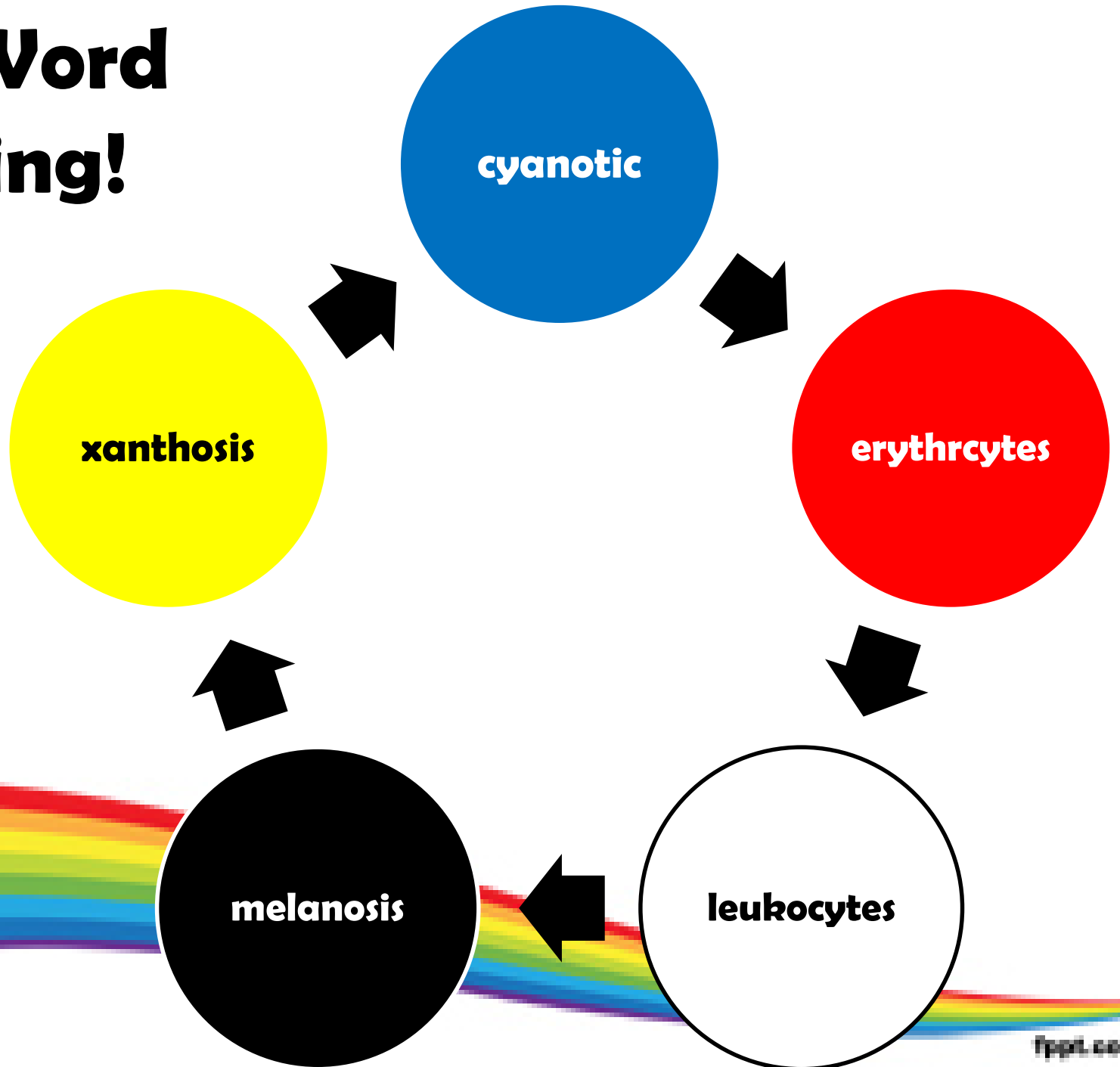
System



Colors!



Color Word Building!



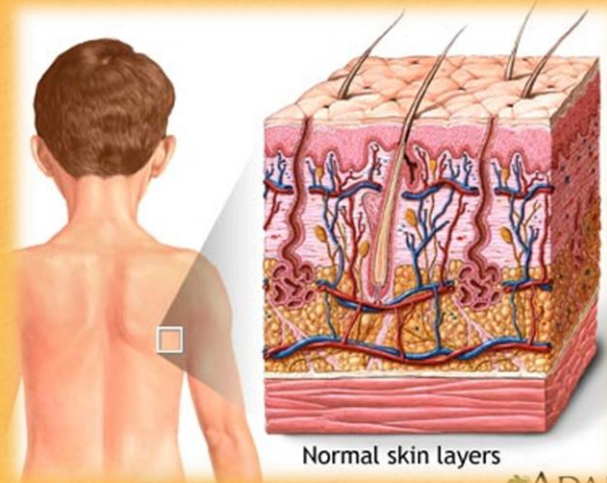
Integumentary System

skin

derm/o

dermat/o

cutane/o



Functions of the Skin:

- “waterproofs” the body and prevents fluid loss
- plays important role in immune system
- major receptor of sense of touch
- helps body synthesize vitamin D from sun

Word Building

skin

derm/o

-a = noun ending
derma = skin

dermat/o

-ologist = specialist
dermatologist = skin specialist

cutane/o

sub- = below
-ous = pertaining to

Integumentary System

**onych/o,
ungu/o**

nail, nails

crypt/o

hidden

-malacia

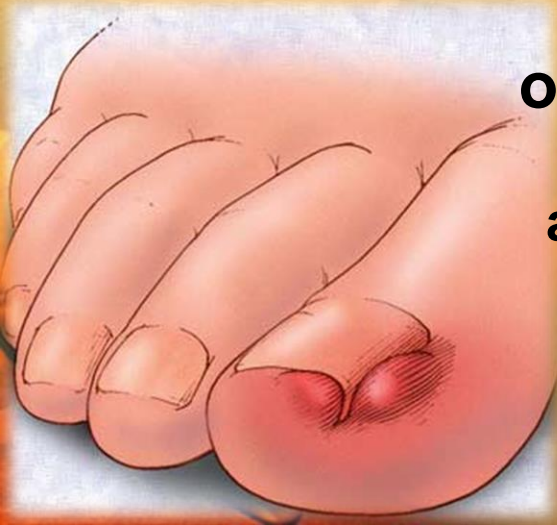
abnormal
softening

-phagia

eating or
swallowing

**-otomy,
-tomy**

surgical
incision



onychomycosis? onychomalacia?
subungual? onychophagia?
onychocrypton softening
pertaining to below nails nail biting
abnormal condition of hidden nail
the nail(s)
(an ingrown nail)

Integumentary System

scler/o

hardening

-ia

condition
of

scleronychia?

- condition of hardening of the nails



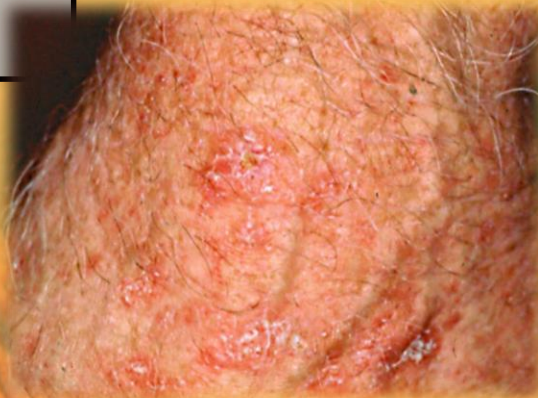
Integumentary System

kerat/o

hard; horny
tissue

keratosis?

- abnormal condition of hard, horny tissue
- (lesions on outer layer of skin caused from too much sun exposure)



necrosis
-necrosis
necr/o + -osis

abnormal
condition of
tissue death

Integumentary System

seb/o

oil (sebum)

-rrhea

abnormal flow
or discharge
(not blood)



seborrhea?

- Over production of skin oil that causes white to yellowish scales.
- Scalp? Dandruff!
- Infant Scalp? Cradle Cap



Integumentary System

rhytid/o

wrinkles

-ectomy

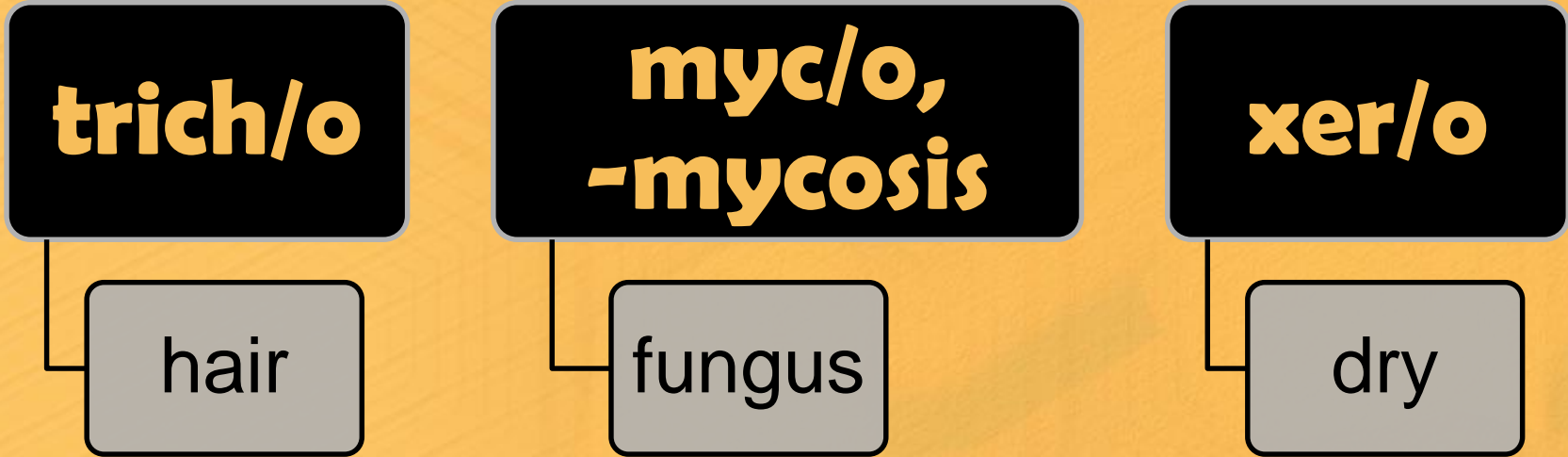
surgical
removal

rhytidectomy?

- surgical removal of wrinkles
- AKA: a face lift



Integumentary System



- **trichomycosis?**
 - abnormal condition of hair fungus
- **xeroderma?**
 - dry skin



Integumentary System

hidr/o

sweat

**hidrosis or
diaphoresis**

excessive
sweating



Prefixes

epi-

upon,
over

para-
peri-

around

per-

through

trans-

through,
across

- epidermal?
 - pertaining to upon the skin
- parathyroidectomy or peripheral?
 - surgical removal of parathyroid gland(s)
 - pertaining to an area around
- percutaneous (injection)?
 - pertaining to through the skin
- transdermal (delivery)?
 - pertaining to through the skin (absorbed)



Integumentary System

aut/o

self

-plasty

surgical
repair

heter/o

other

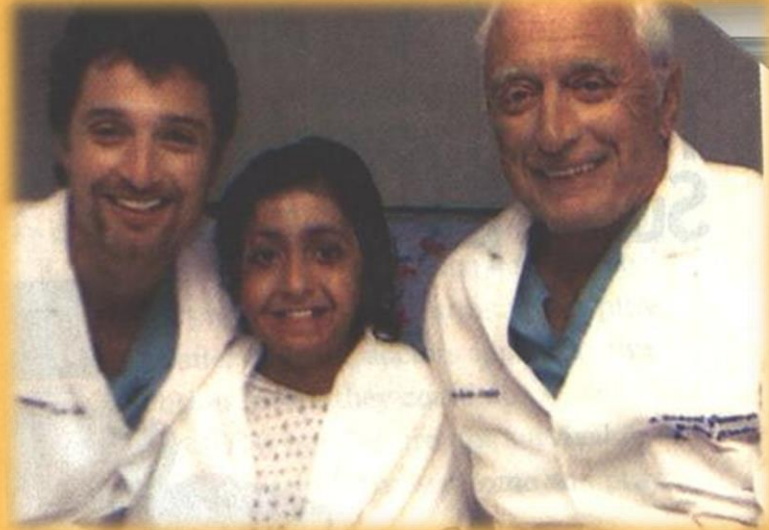
-tome

instrument
used to cut
thin layers

- **autograft or dermatoautoplasty?**
 - skin graft with one's own skin
- **dermatoheteroplasty?**
 - skin graft using skin of another person
- **dermatome?**
 - instrument used to cut thin slices of skin for skin grafts



A True Story...



**An American soldier
takes big risk to save
a dying Afghan girl...**

Review Terms!

- dermatologist
- hidrosis
- onychophagia
- ungual
- trichopathy
- mycosis
- dermatitis
- hidradenitis
- onychomalacia
- dermatoplasty
- cryosurgery
- epidermal
- erythroderma
- hypodermic
- intradermal
- leukoderma
- necrosis
- percutaneous
- transdermal
- edema
- suturing
- lipoid

