

Jan 2-9:29 AM

FACTORS That affect cuticle pattern

- ① dye → permanent. (melanin in the cortex)
 bleach, perms
- Lift cuticle to get to cortex
 ↳ damage.
- ② heat - straighteners (artificial)
- SUN exposure → Warm environments near equator.
 outdoor jobs - farmer, landscaper, l. leguarn
 construction
- ③ other environmental - cold, Wind, humidity.

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② Cortex - long thin spaghetti like rods
#18
↳ Melanin (color of hair)


③ Medulla
Inside

Patterns

- ① Continuous —————
- ② Fragmented - - - - -
- ③ Interrupted - - - - -

Medullary Index (MI) → Thickness compared to entire shaft

MI > 0.5 (Animals) 

MI < 0.3 (human) 

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Hair change with age (HUMANS mainly)

Lanugo - fine / colorless hair covers fetus.

↳ ~3 weeks

↳ Infant Vellus → "peach fuzz" on head/arms/legs rest falls off.

↳ Child Terminal hair - longer, thicker, color

↳ Puberty - hair in armpits + genitalia, (chest & back facial)

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CATS / DOGS (and others)

① FUR - inner coat → Temp. Reg.

② Guard Hair - outer coat → Protect.

③ Tactile hair → touch, feel, sensory
Whiskers

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