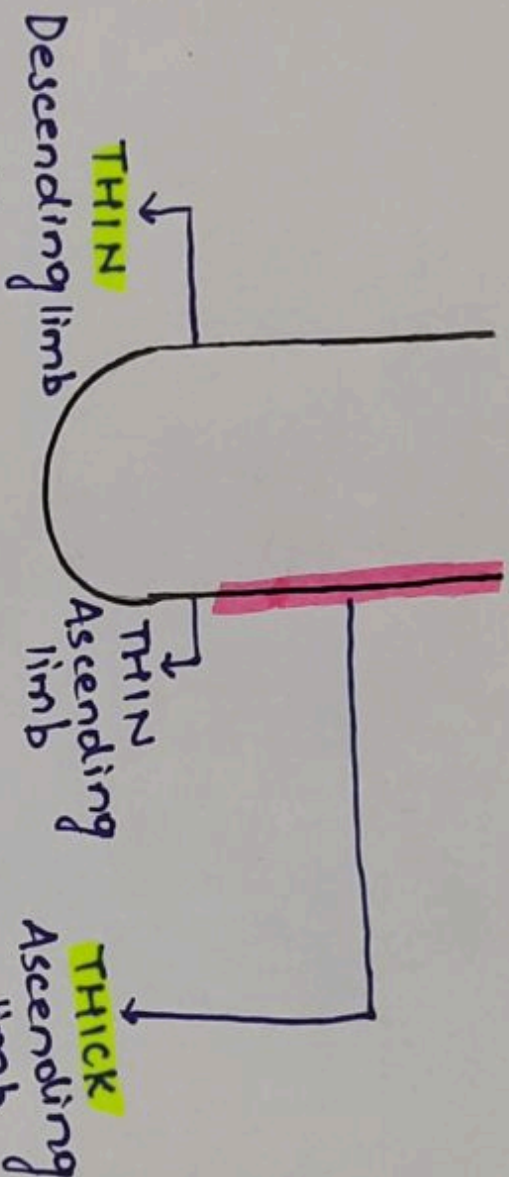
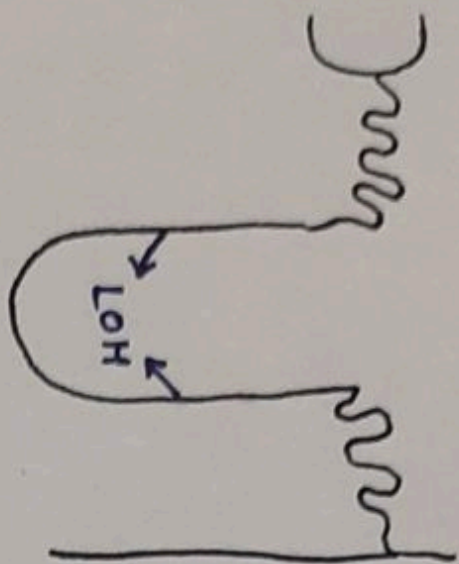


Loop Of Henle



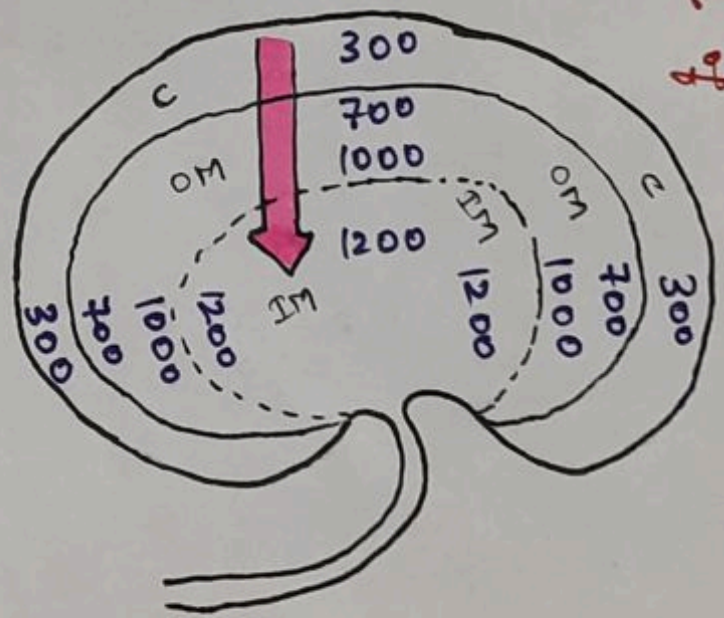
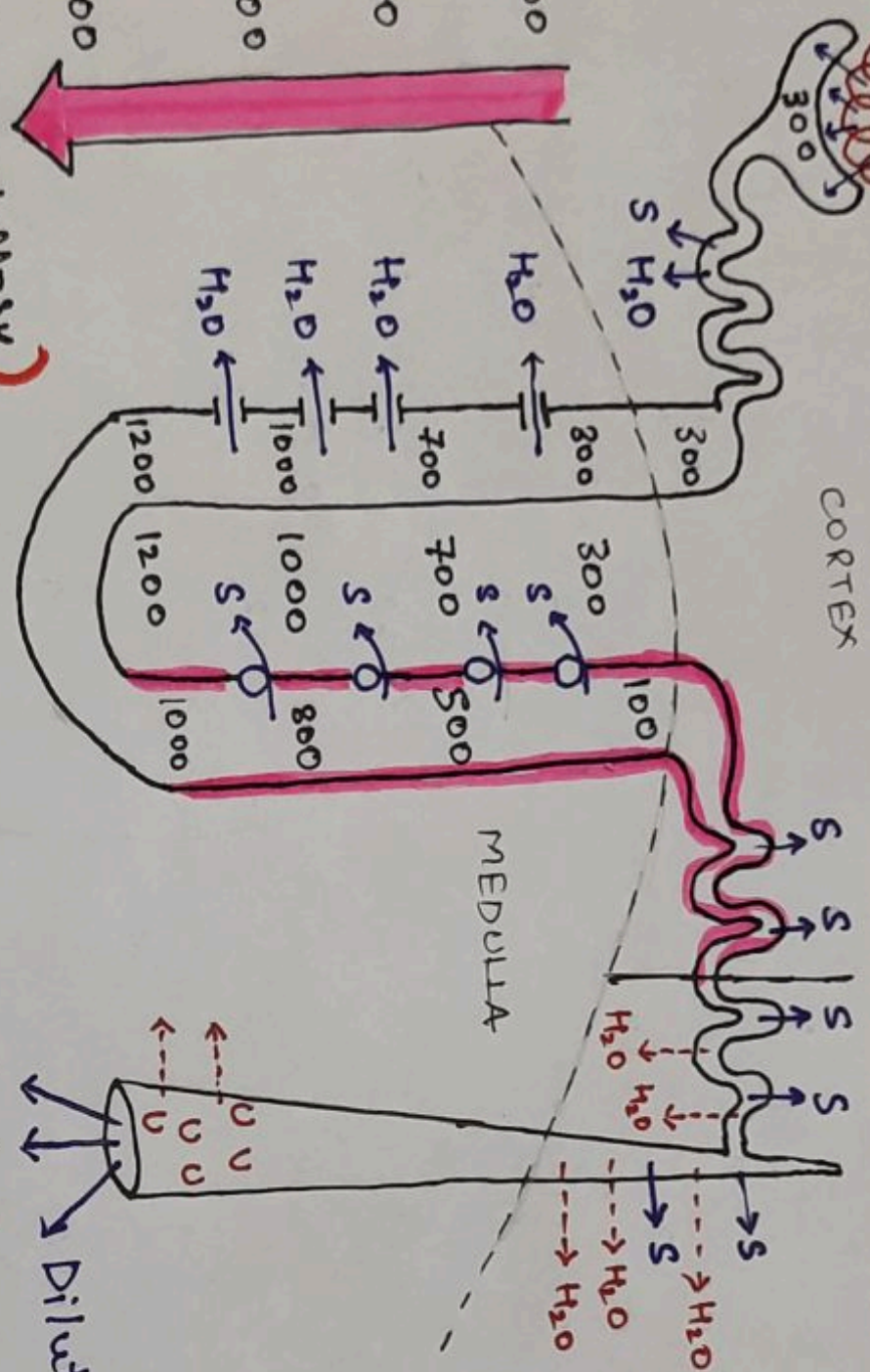
- No Brush borders
 - Less mitochondria
- [↓ metabolic activity]

- Brush border
 - More mitochondria
- [Active reabsorption takes place]

Thin & **Thick** is for thickness of epithelium rather than diameters.

② Plasma = 300 mOsm/L

in presence of ADH



Dilute urine (50 mOsm/L)

Concentrated urine (1200 mOsm/L)

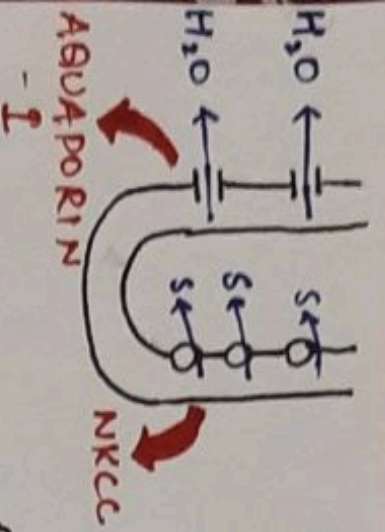
cortico-medullary osmolarity gradient

OK

Hyperosmolar interstitium

COUNTER CURRENT MECHANISM

[Hence, 10-20% of Na^+ is Reabsorbed.]



Tubular lumen

