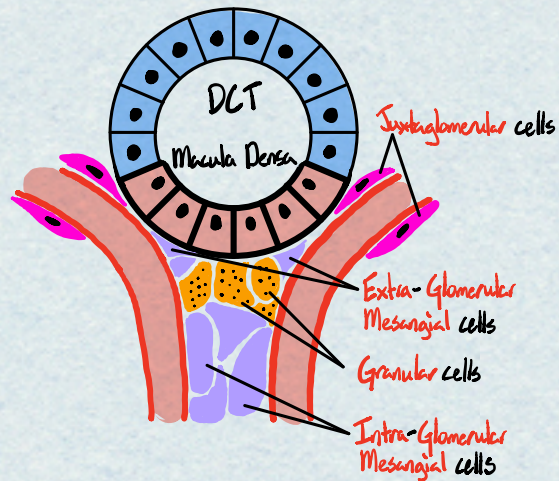
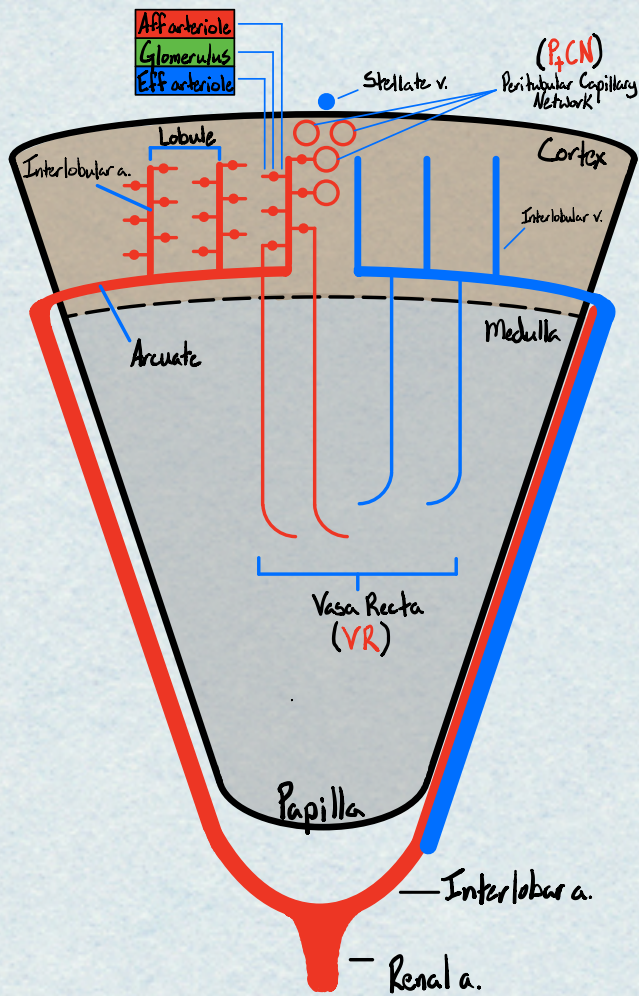
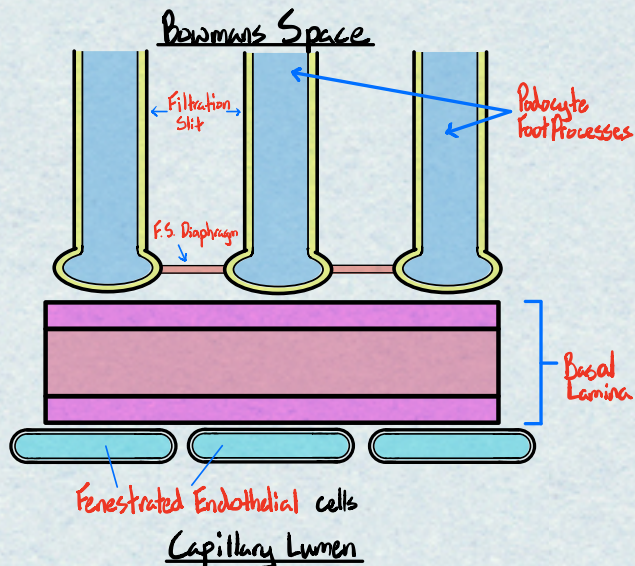


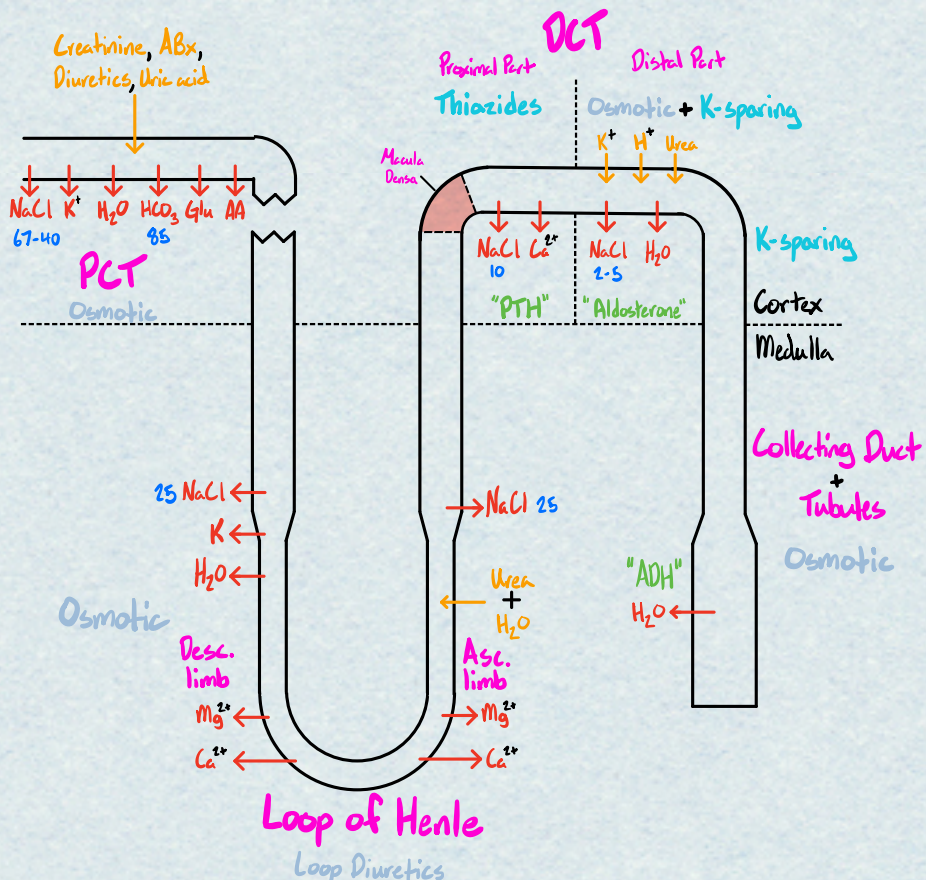
KIDNEY



Glomerular Filtration Barrier

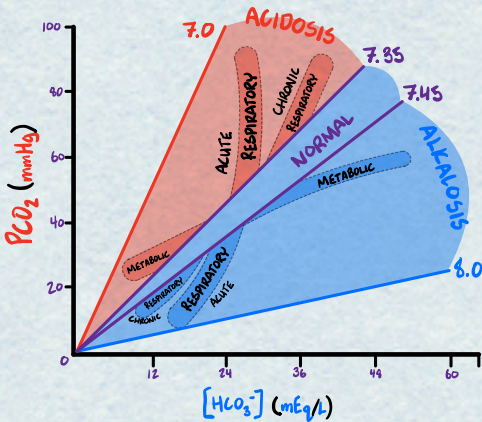
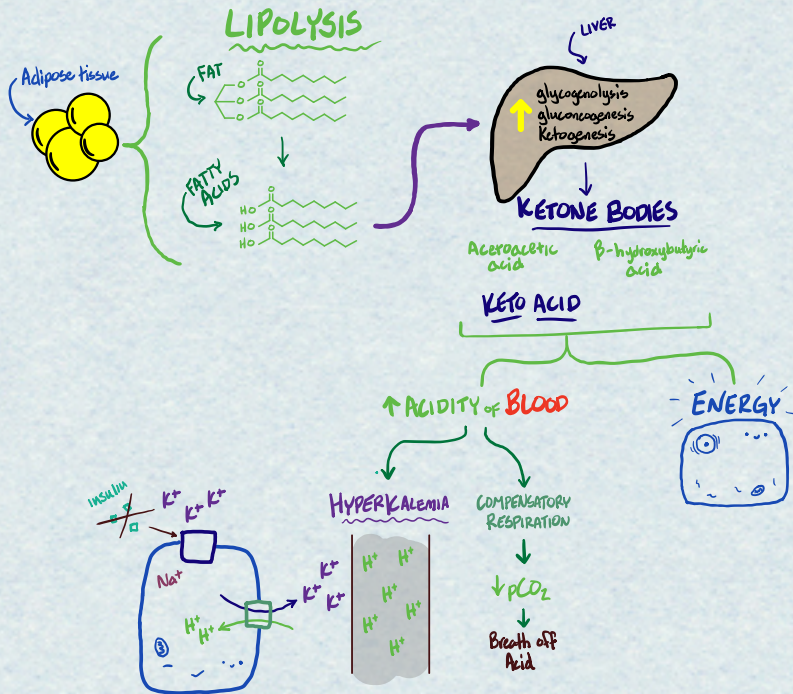


- - Segment name
- - Diuretic
- - Reabsorption
- - Secretion
- - Percentage
- - Hormone-Mediated



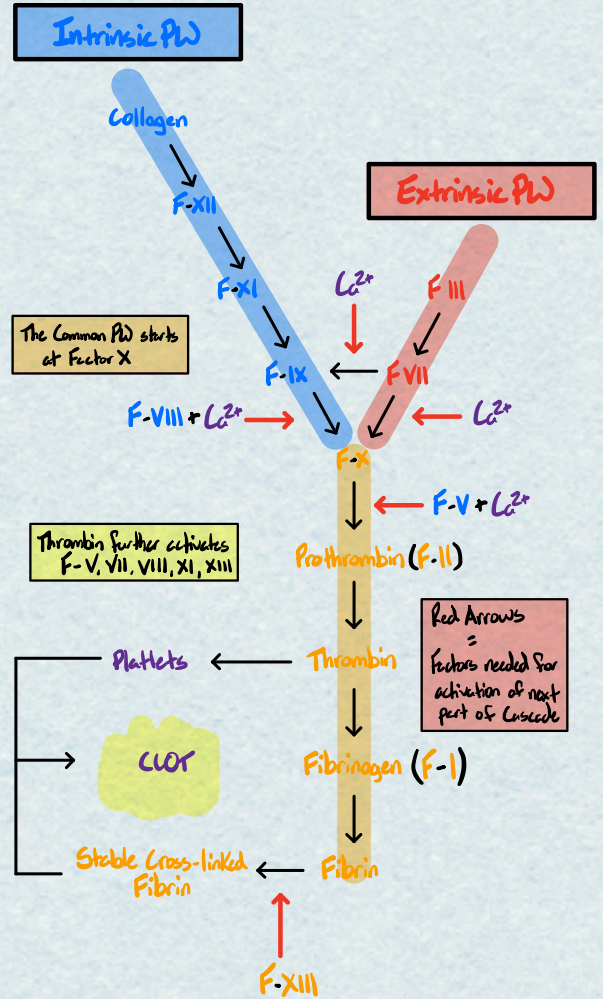
RANDOM PHYSIOLOGY

DIABETIC KETOACIDOSIS (DKA)



	PCO ₂	[HCO ₃ ⁻]	pH
ACIDOSIS (ACUTE)	↑	-	↓
ACIDOSIS (CHRONIC)	↑	↑	↓
ALKALOSIS (ACUTE)	↓	-	↑
ALKALOSIS (CHRONIC)	↓	↓	↑

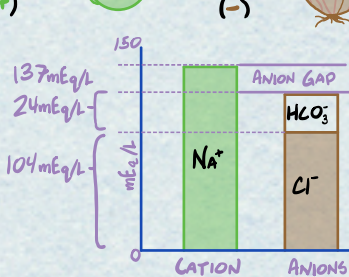
	PCO ₂	[HCO ₃ ⁻]	pH
ACIDOSIS	↓	↓	↓
ALKALOSIS	↑	↑	↑



BLOOD pH

~ BALANCE BETWEEN BASES (↑ pH) & ACIDS (↓ pH)

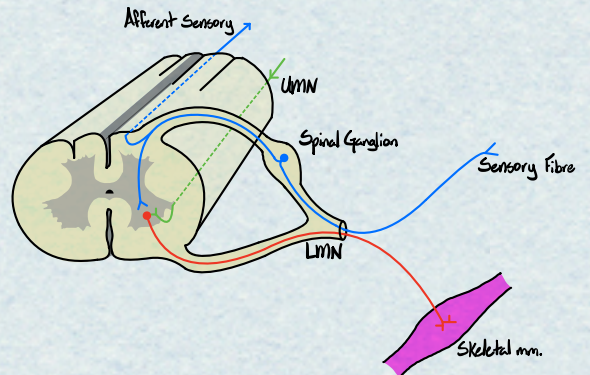
TOTAL CATIONS (+) = TOTAL ANIONS (-)



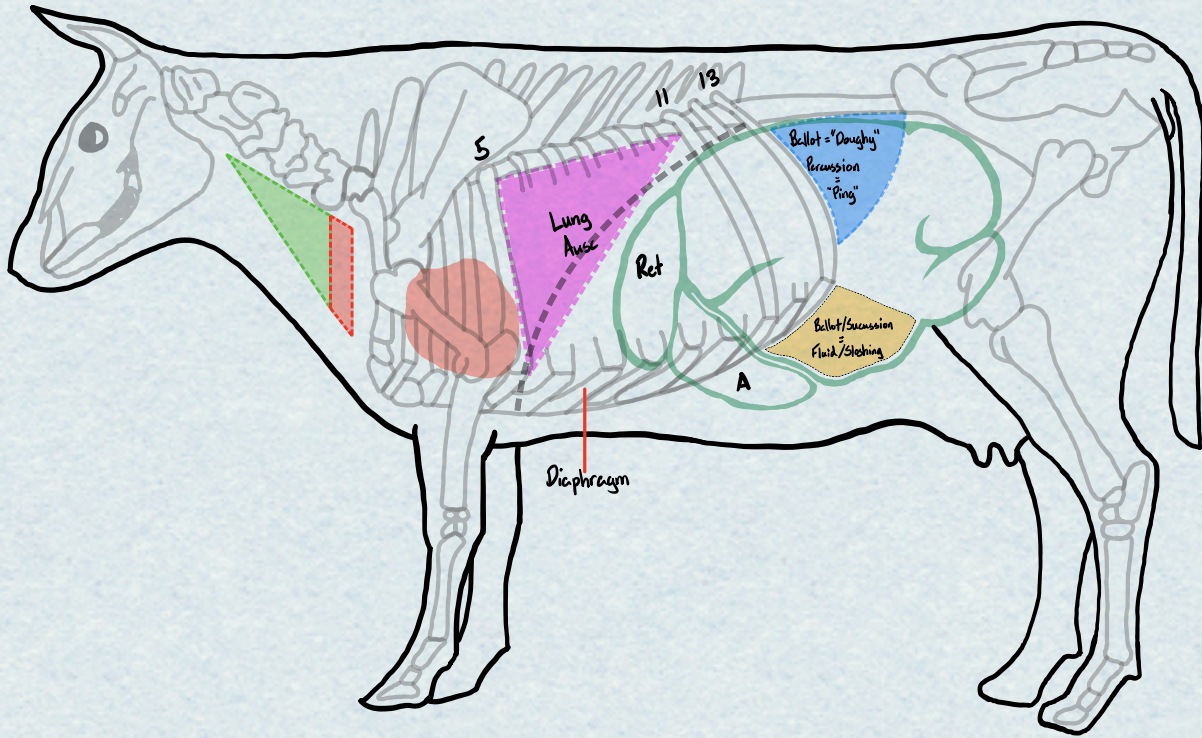
$137 - (104 + 24) = 9 \text{ mEq/L}$

ANION GAP = UNMEASURED ANIONS (3-11 mEq/L)

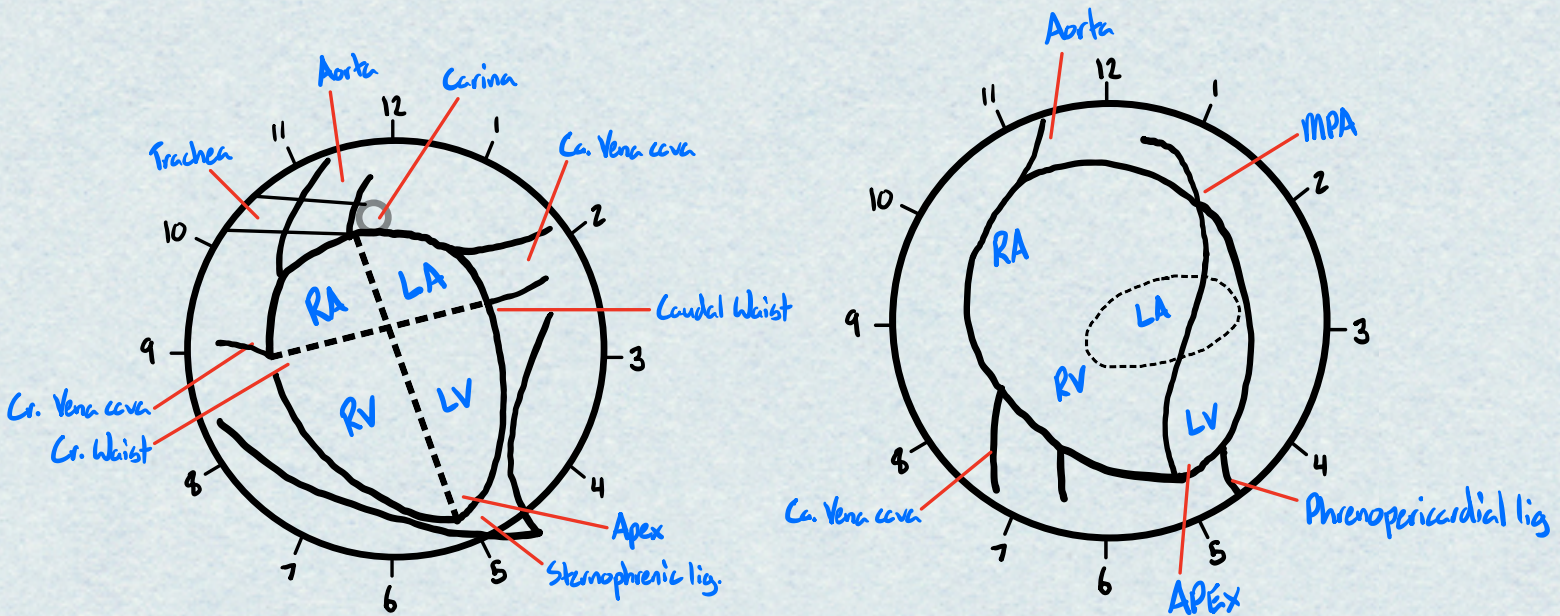
- ORGANIC ACIDS; KETONES, LACTATE, OXALATE (EG), PHOSPHATE
- NEGATIVELY CHARGED PLASMA PROTEINS⁻ (ALBUMIN)



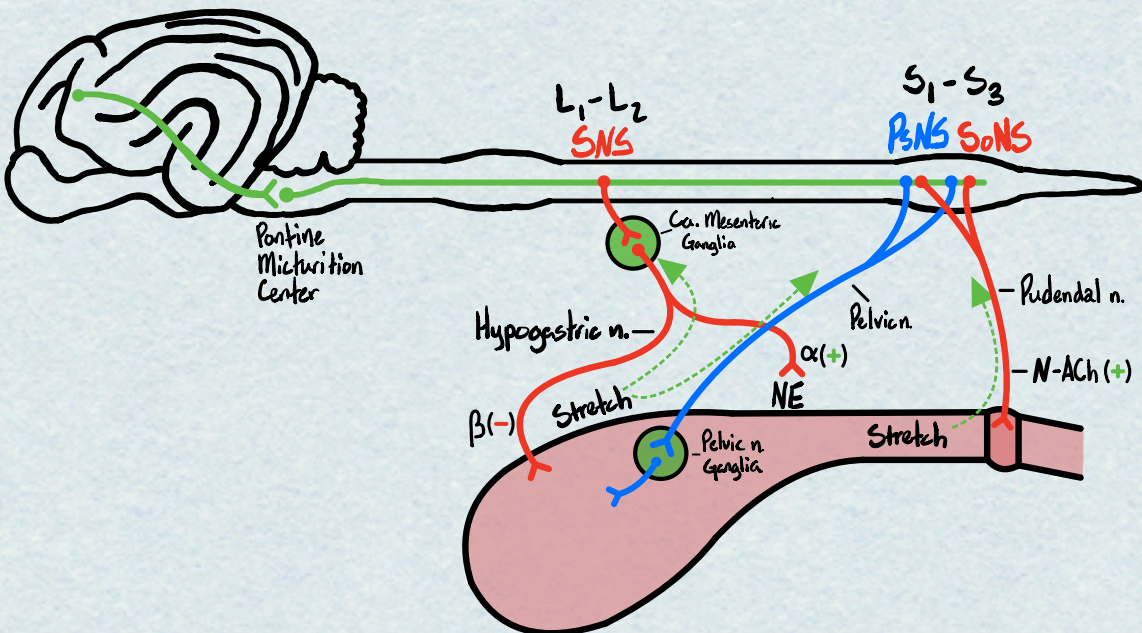
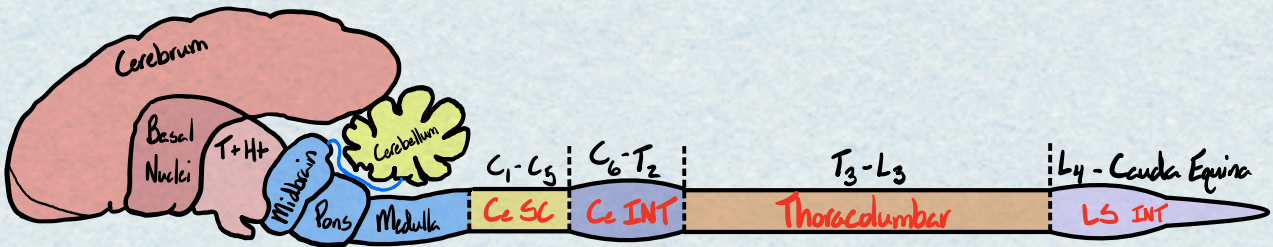
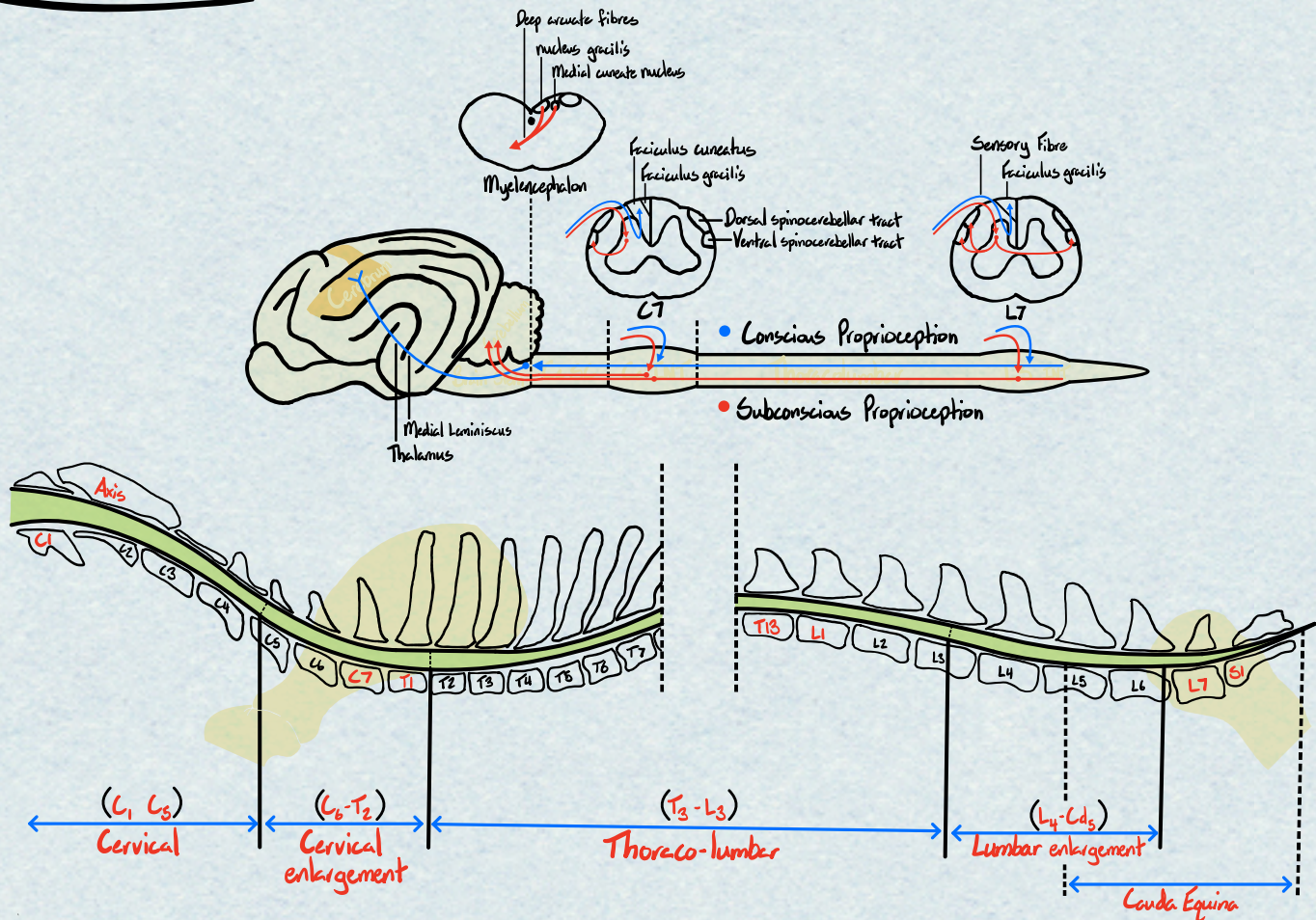
TOPOGRAPHY OF COW



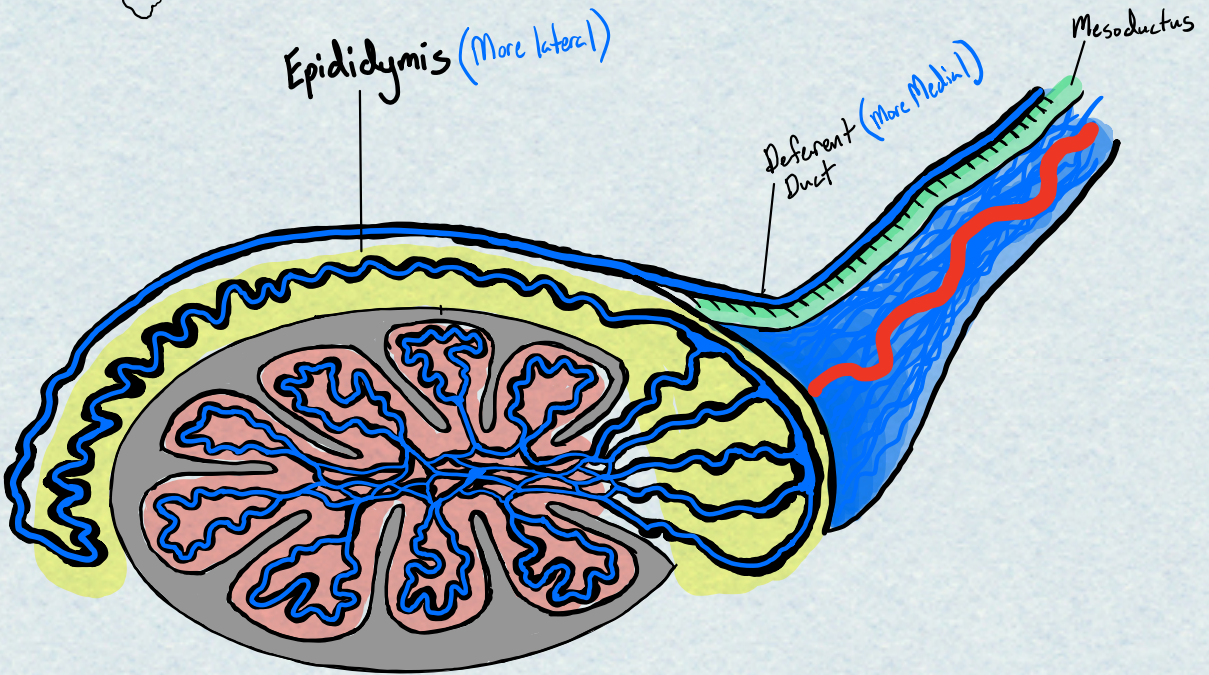
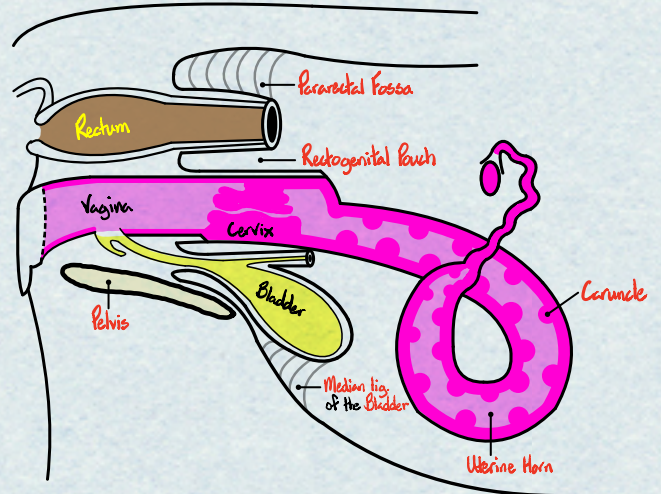
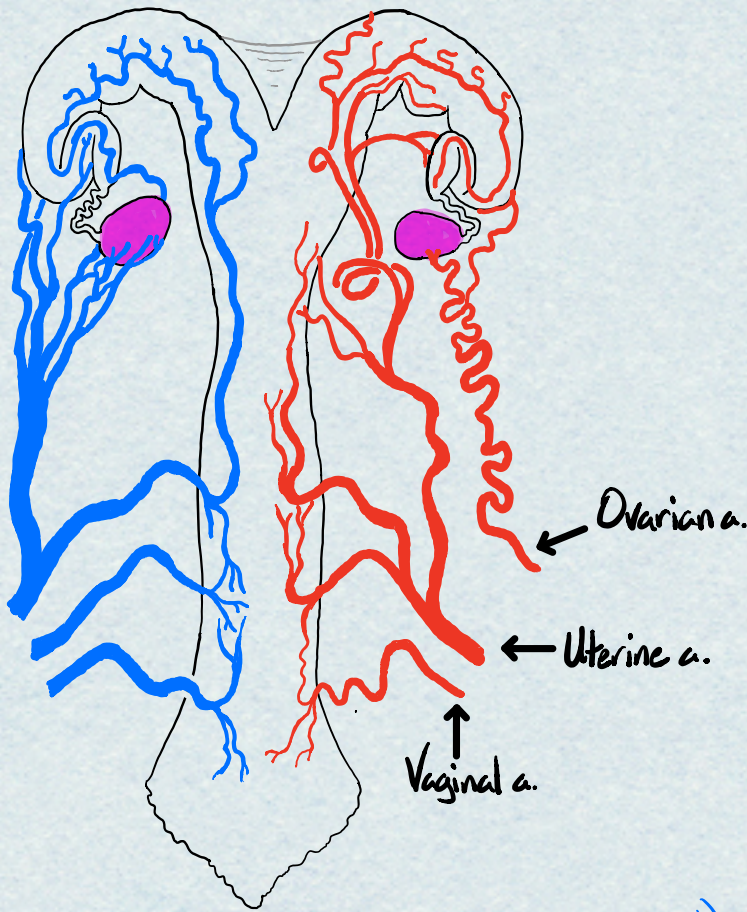
HEART IN RADIOGRAPHS



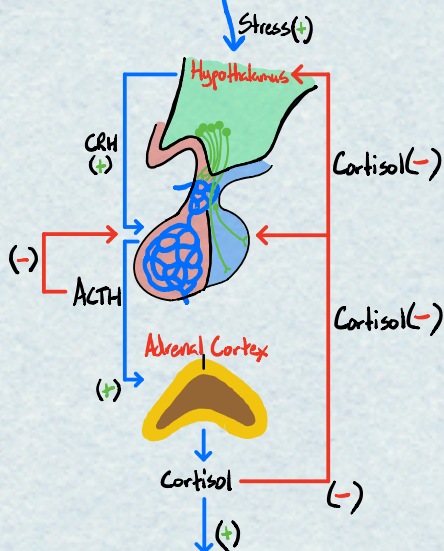
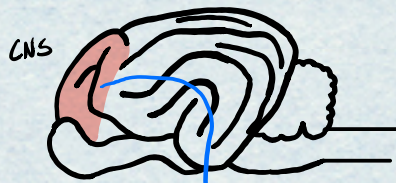
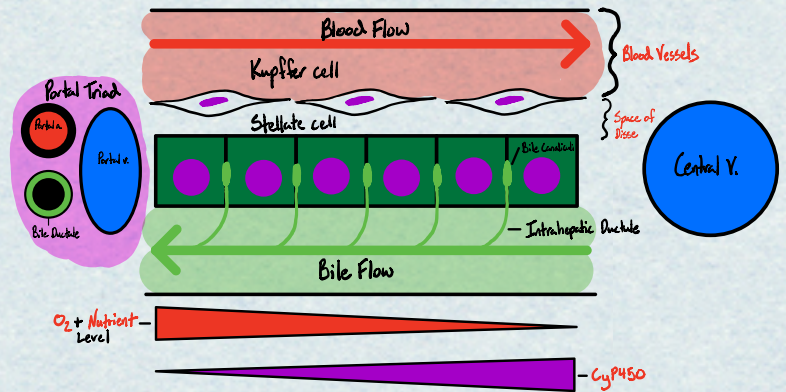
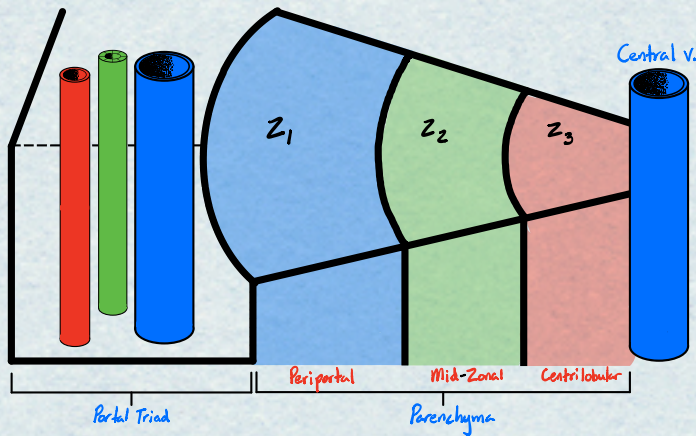
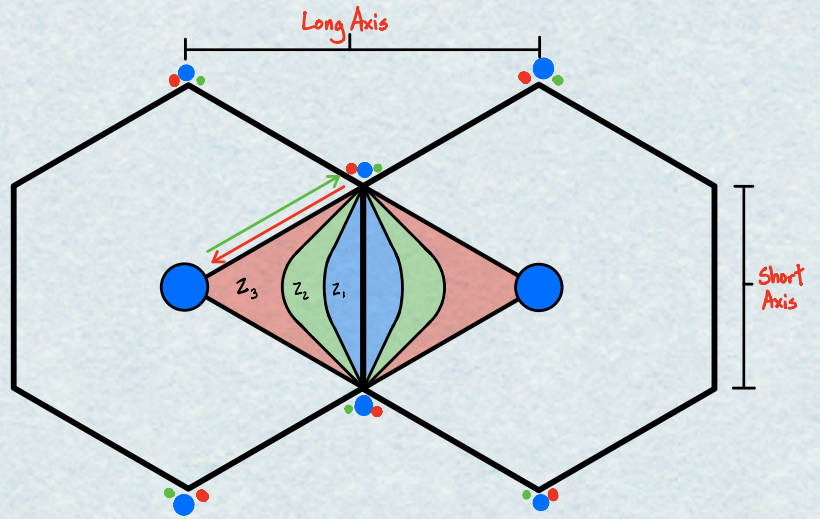
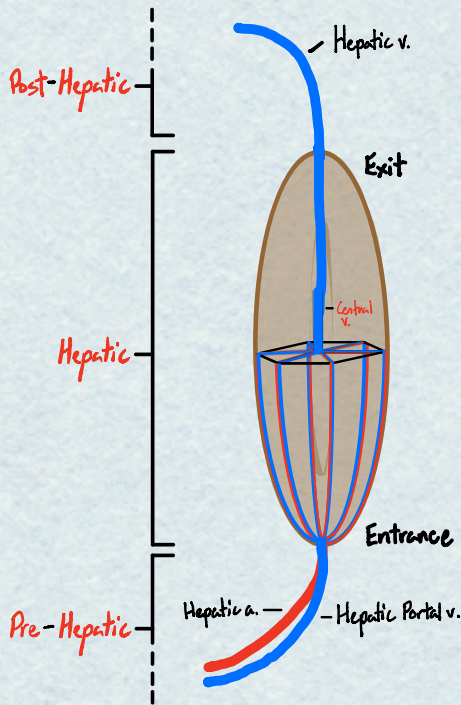
NEURO



REPRODUCTIVE

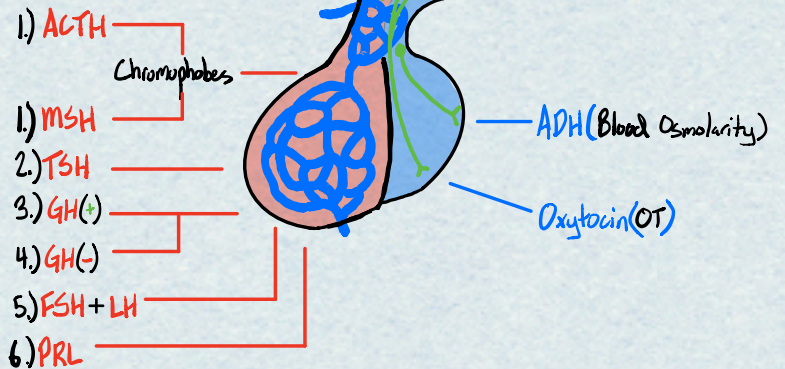


LIVER + PITUITARY

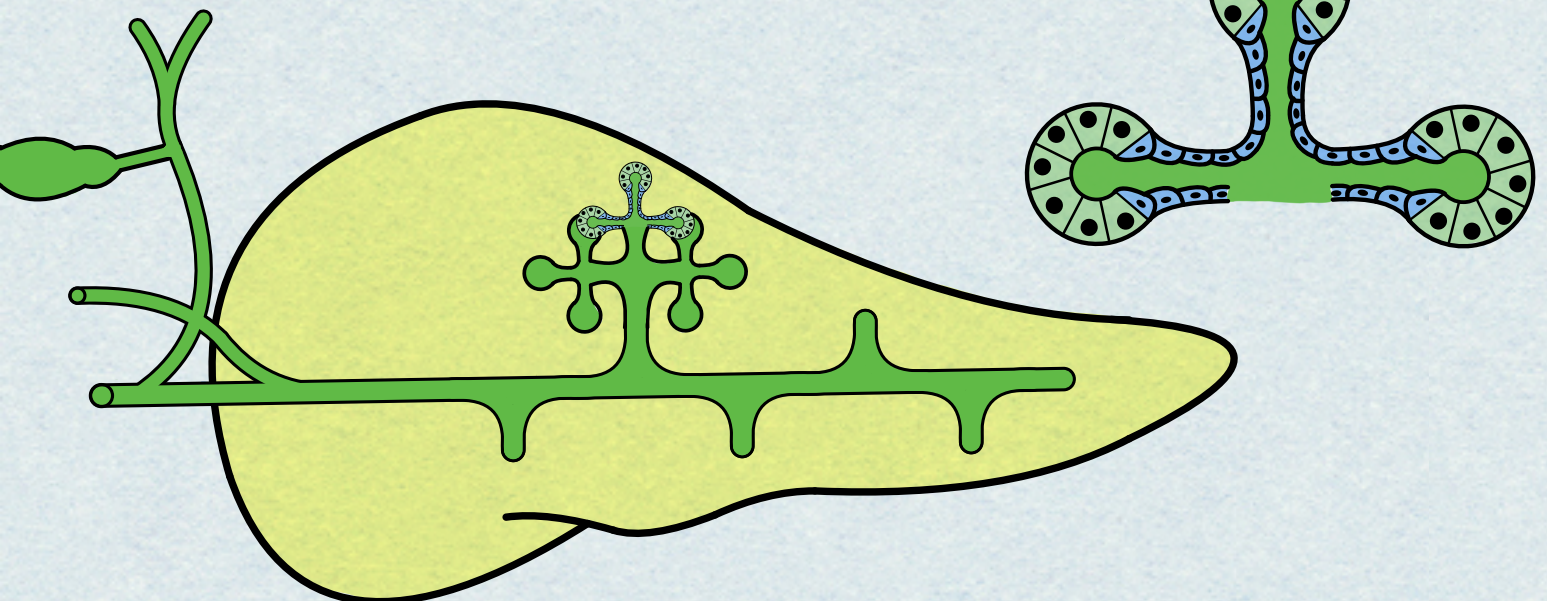
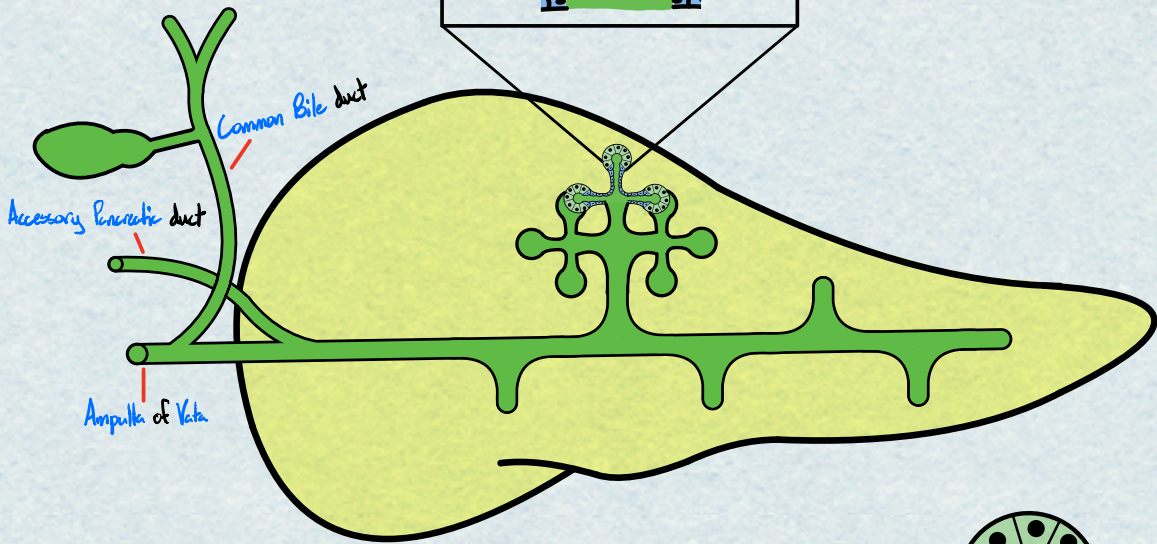
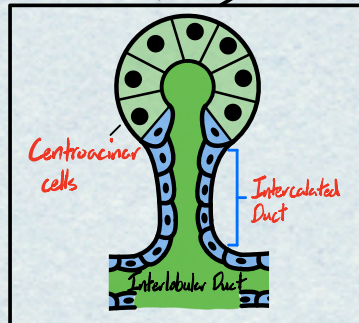
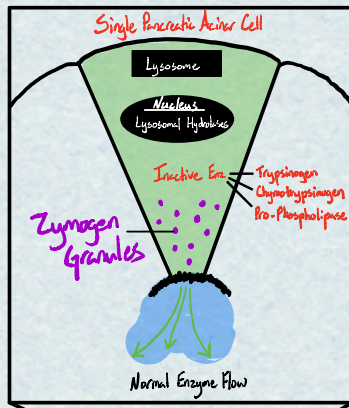


- 1) CRH
- 2) TRH
- 3) GHRH (+)
- 4) GHIH (-)
- 5) GnRH
- 6) PRH
- 7) PRIF

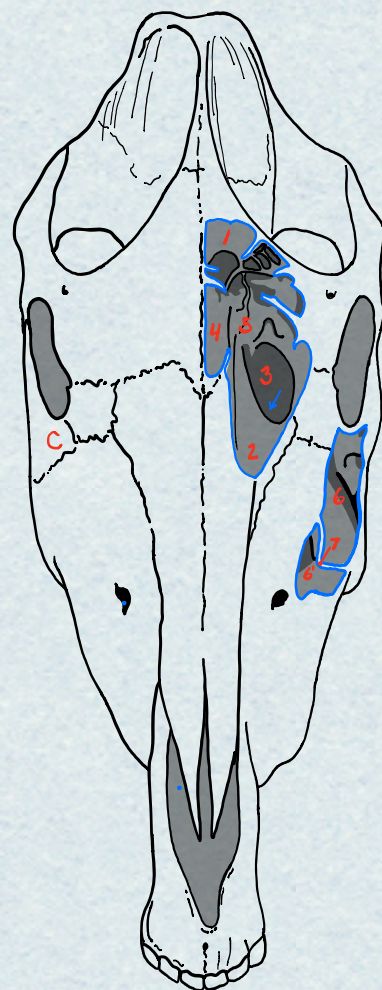
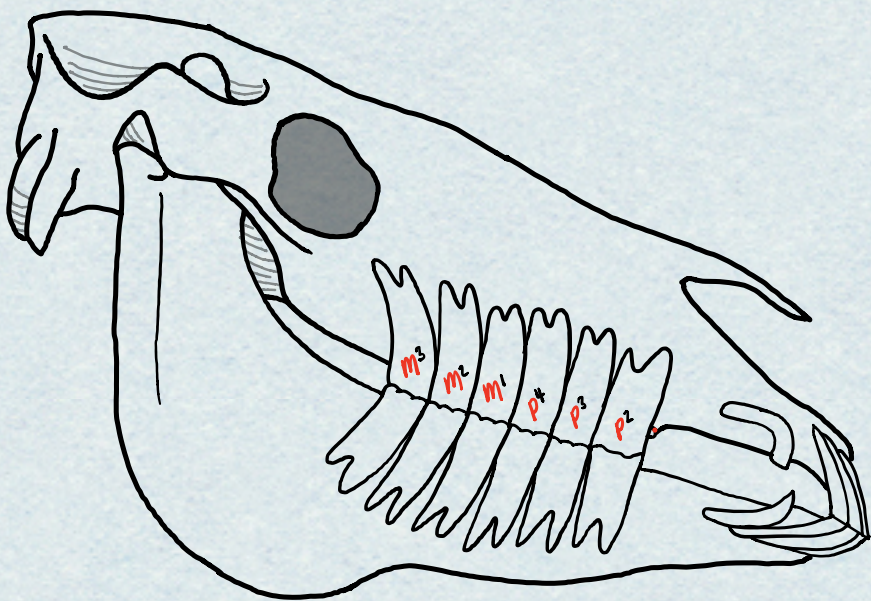
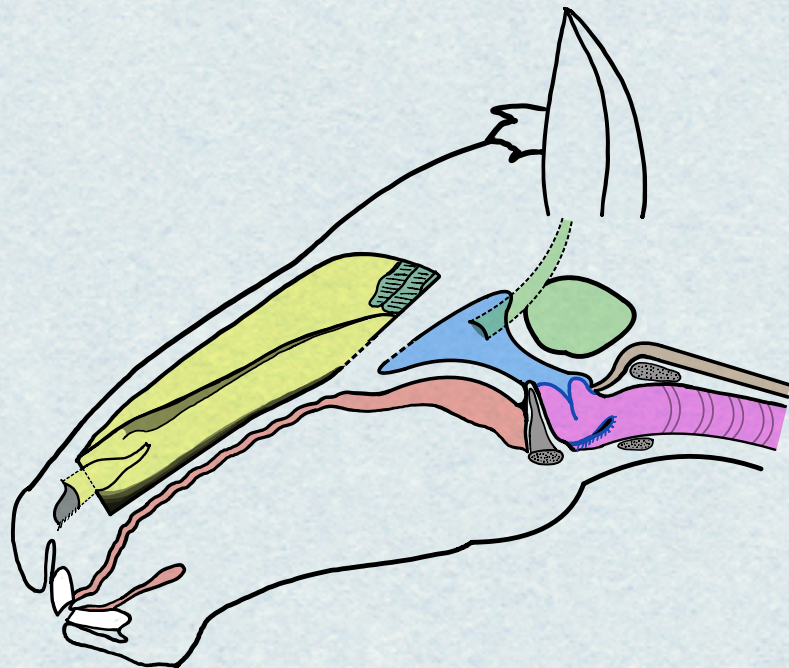
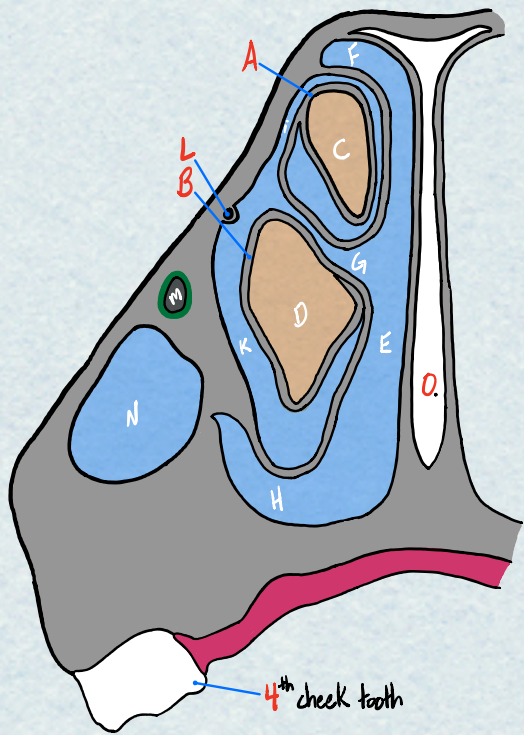
Adenohypophysis Neurohypophysis



PANCREAS



HORSE SKULL ANATOMY



TARSUS + NERVES / NERVE BLOCKS (HORSE)

