

## Renal Physiology and Failure Cheat Sheet by ThereamDream via cheatography.com/150423/cs/45345/

Physiology	
Proximal tubule:	all electrolytes, glucose and amino acids
Descending Henle:	WATER
Ascending Henle:	Na-K-2Cl Ca, Mg (passively)
Distal tubule:	Na-Cl Ca (PTH)
Collecting duct:	Water (ADH) Na (aldosterone) K, H excretion (aldosterone)

Failure
Hypervolemia
hypoNa
HyperK
hypoCa
HyperPO4
HyperMg
Metabolic acidosis

## Physiology

acid-base balance: HCO3 reabsorption, H excretion

electrical neutrality: Cl<sup>-</sup> follows Na<sup>+</sup>

PTH → Ca reabsorption, PO4 excretion

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