

## 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)

Hypervolemia
,,
hypoNa
HyperK
hypoCa
HyperPO4
HyperMg
Metabolic acidosis

## Physiology

acid-base balance: HCO3<sup>-</sup> reabsorption, H<sup>+</sup> excretion

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

 $PTH \rightarrow Ca \ reabsorption, \ PO4 \ excretion$ 

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