

Water Reabsorption

Stages

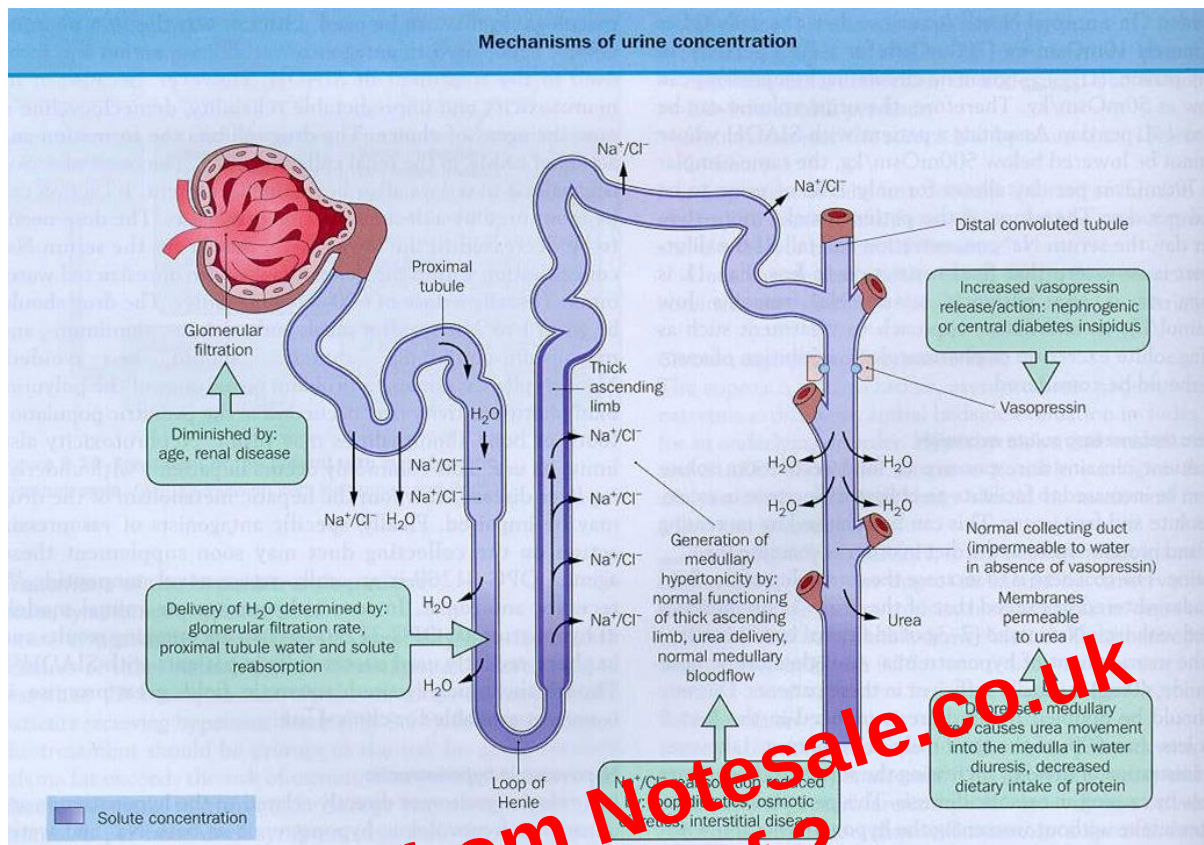


Image source <http://www.kidney-uk.org/posts/archives/2006-11/1164813835.An.r.html>

1. **Ascending Limb-** The ascending limb is impermeable to water. At the base of the tubule, sodium and chloride ions *diffuse* out of the tubule into the medulla/ tissue fluid. Higher up in the tubule, sodium and chloride ions are *actively* pumped out into the medulla, making it salty. (There is active transport of ions nearer to the top of the tubule).