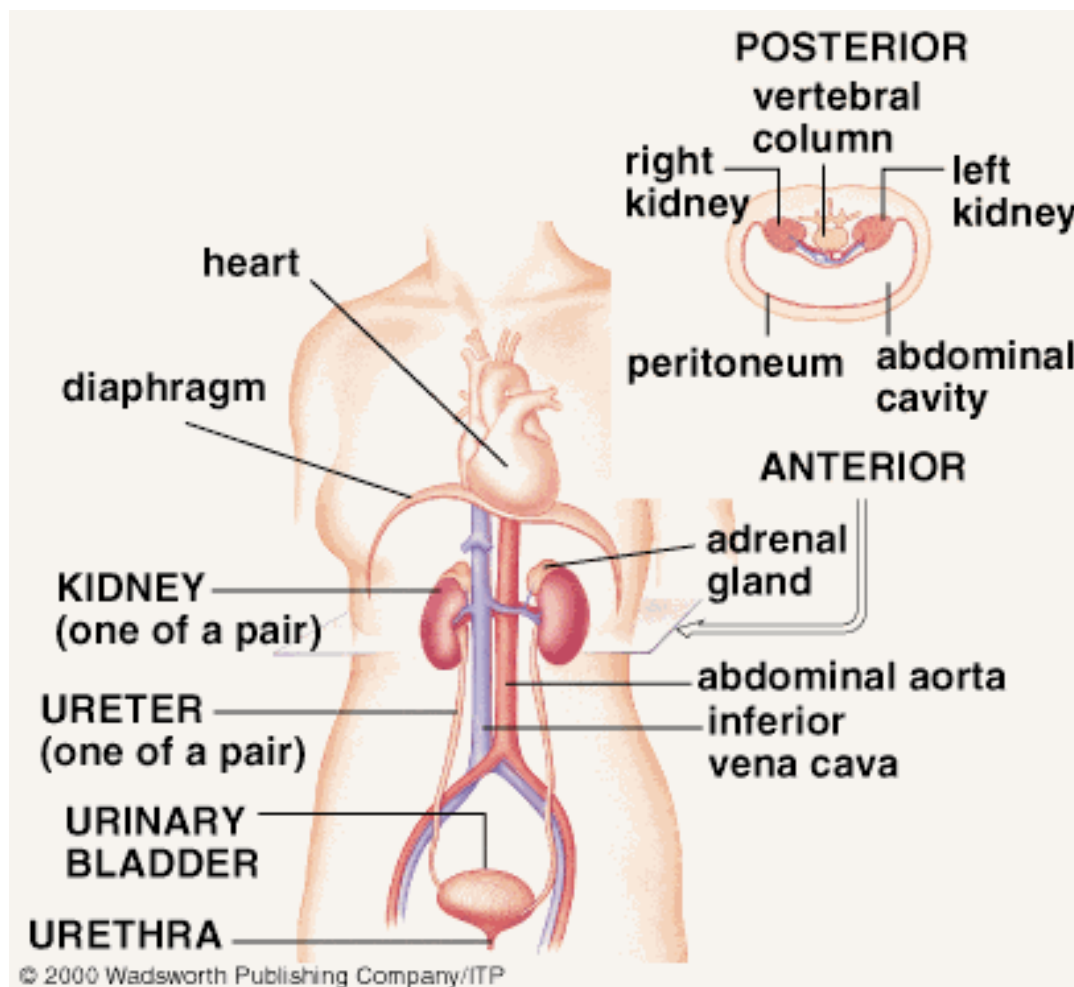


Excretory System

Function

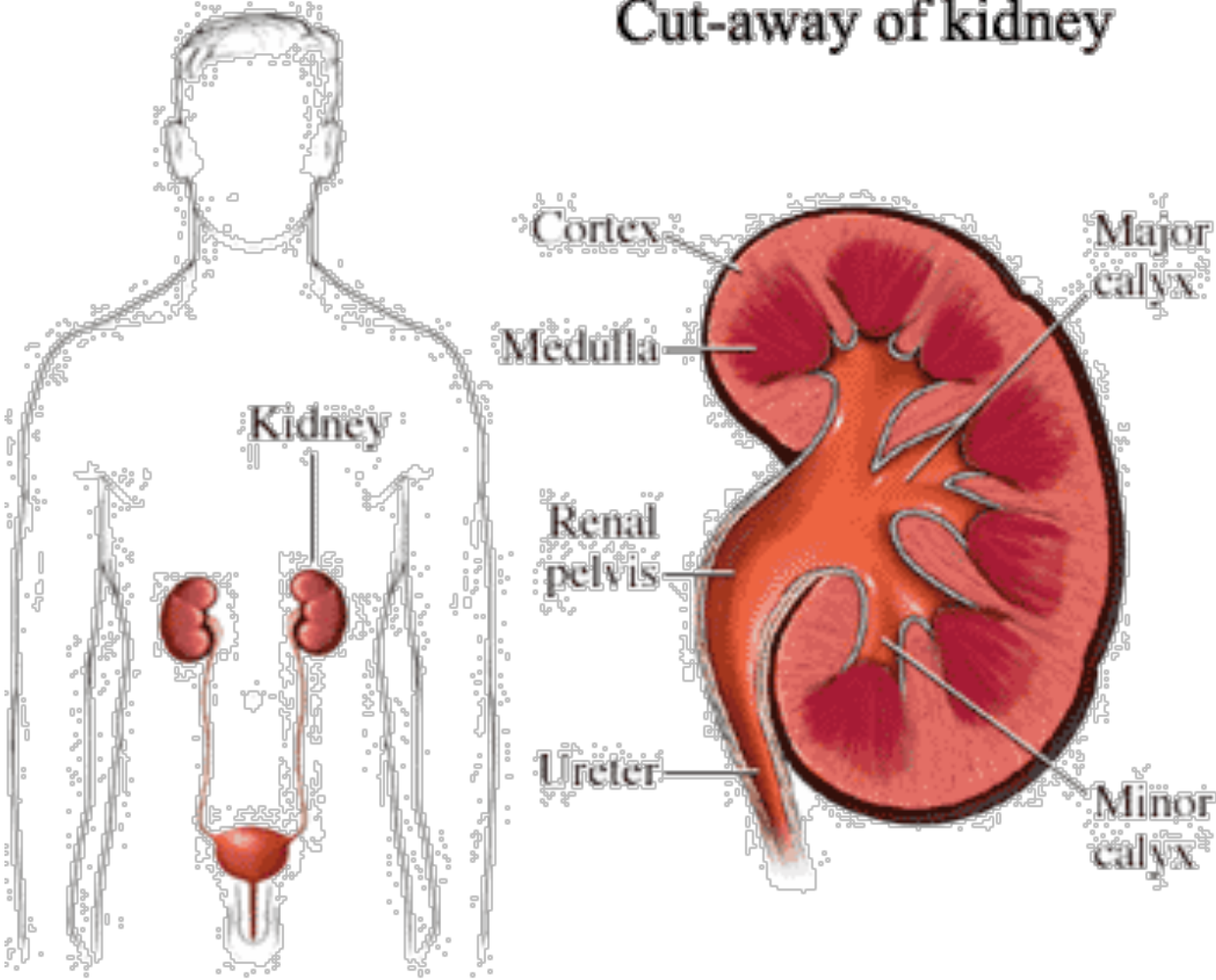
- A biological system that removes waste from the body
 - Also removes any harmful materials from the body
 - Removes liquids and other metabolic waste
- Also helps body maintain homeostasis



Kidneys

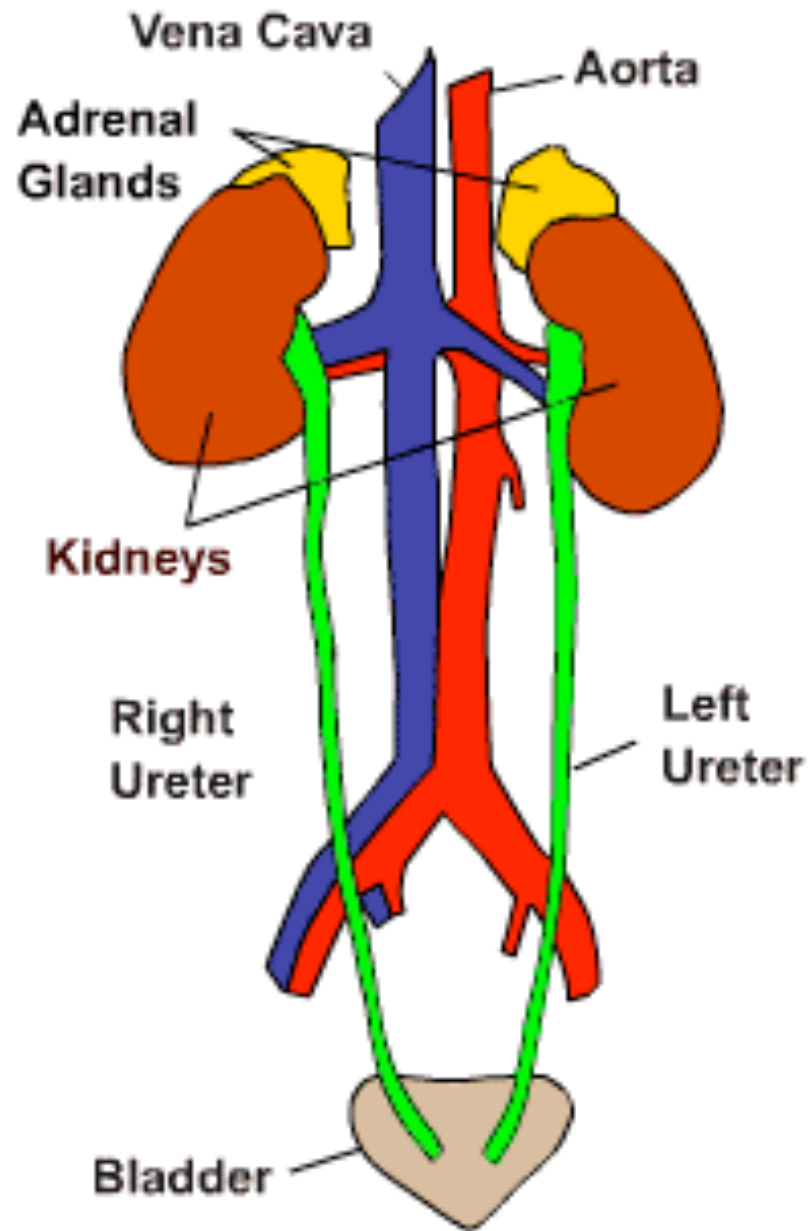
- The kidneys filter out the waste products from the blood using nephrons
- The nephrons basically “squeeze” the waste out of the blood and this becomes urine
- Kidneys remove mostly nitrogenous waste, along with some minerals

Cut-away of kidney



Ureter

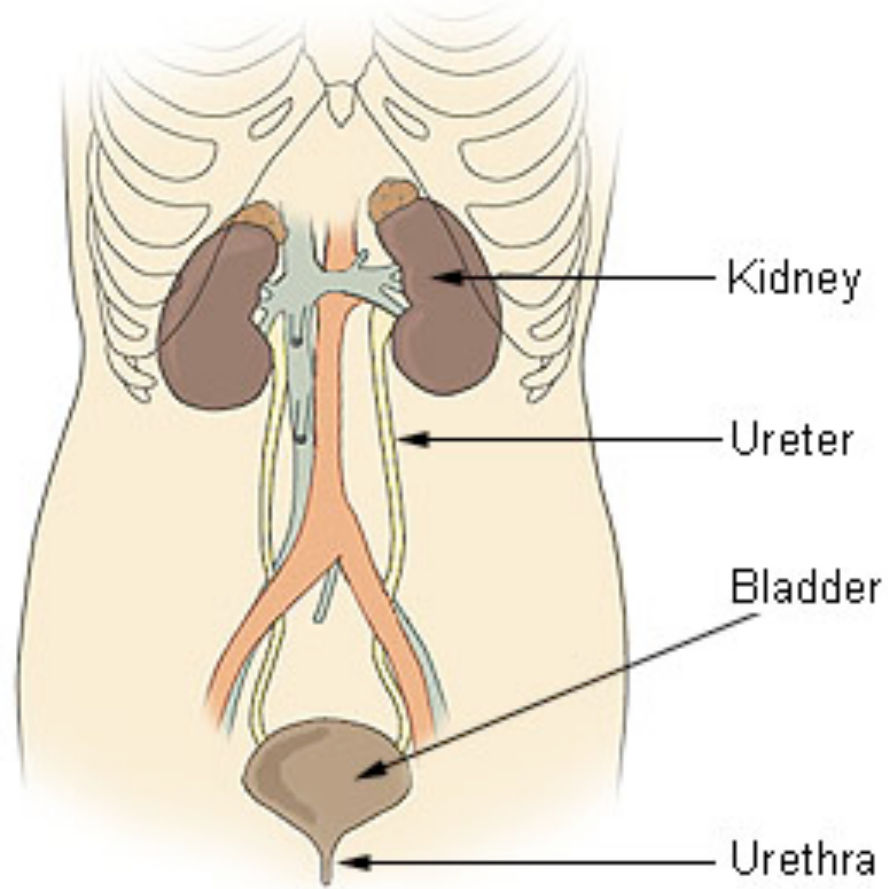
- The Ureter's main function is to propel urine from the kidneys into the bladder
- It is a long tube that connects the kidneys and the bladder



Urinary Bladder

- The Urinary Bladder collects urine from the kidneys before it is excreted
- The urine exits the urinary bladder through the urethra
- The Urethra is a tube that connects the urinary bladder to the outside
- The urethra also functions as a passage for semen

Components of the Urinary System



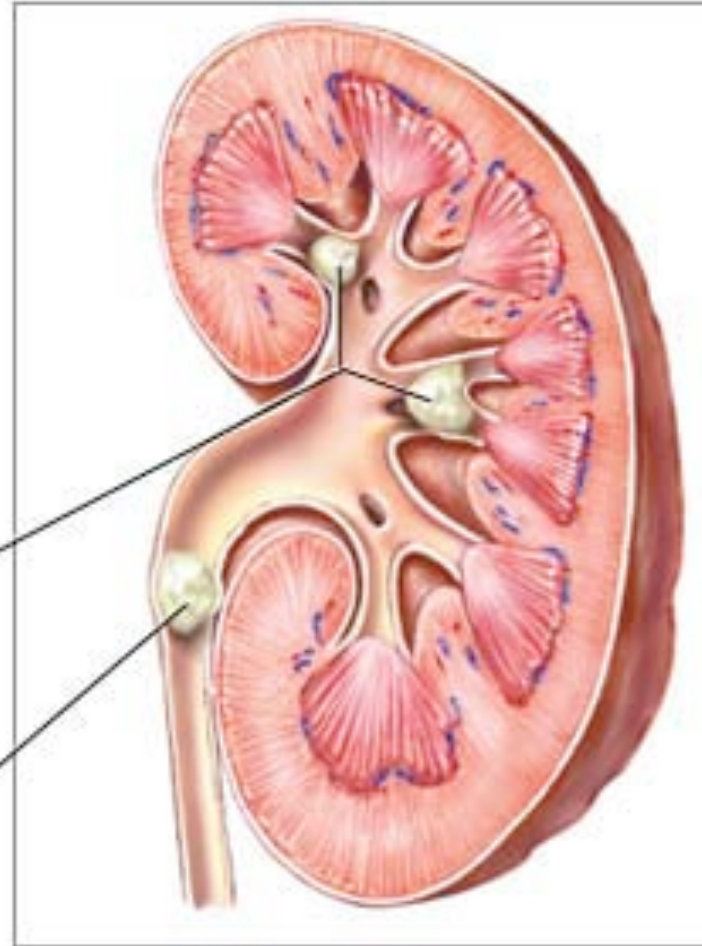
Liver

- Also helps the body maintain homeostasis
- The liver can be damaged if viral or bacterial infection occurs
- Excessive alcohol use can also damage liver
- Liver Diseases
 - Hepatitis: Inflammation of the liver
 - Cirrhosis: Extremely scarred liver from alcohol or hepatitis B



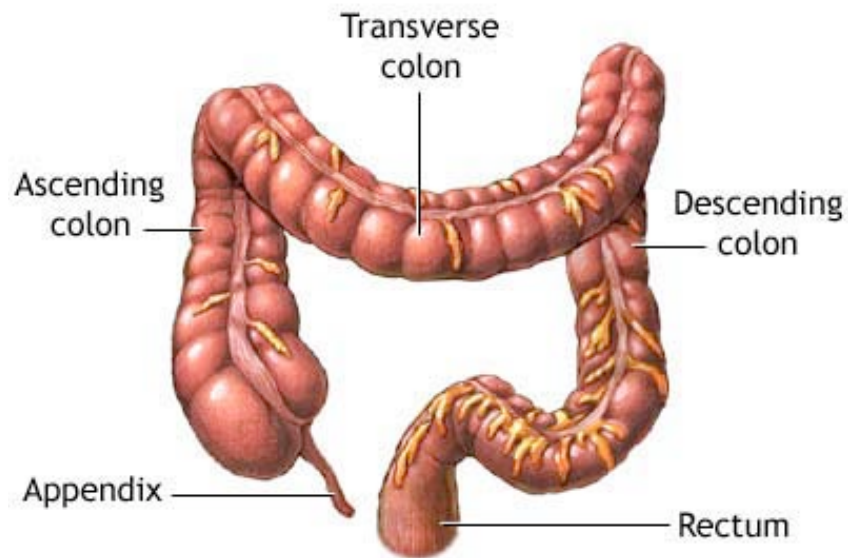
Kidney stones in
the minor and
major calyces
of the kidney

Kidney stone
in the ureter



Large Intestines

- All solid waste from the body is excreted through the large intestines
- The large intestine rhythmically squeezes the waste through to the end



Diseases

- There are many diseases that can affect the excretory/urinary systems
 - Nephritis: Inflammation of glomeruli
 - Nephrosis: Also affects glomeruli and makes urine foamy because of excess proteins
 - Urinary Tract Infection: Caused by bacteria in the urethra, and it is an infection of the urethra
 - Kidney Stones: Crystallized minerals that can be very small to large and painful.
 - Kidney Failure: Can be cured using Dialysis

Citations

- http://en.wikipedia.org/wiki/Excretory_system
- http://www.ehow.com/how-does_5531760_excretory-system-diseases-disorders.html
- <http://www.sci.sdsu.edu/classes/bio100/Lectures/Lect16/Image270.gif>
- <http://www.nlm.nih.gov/medlineplus/ency/images/ency/fullsize/17091.jpg>
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