

NOTES: URINARY SYSTEM

THE 4 ORGANS OF THE URINARY SYSTEM

3 FUNCTIONS OF THE URINARY SYSTEM

1. EXCRETION

2. ELIMINATION

3. REGULATION

KIDNEYS

URINARY TRACT

URINATION =

5 HOMEOSTATIC FUNCTIONS

- 1. REGULATE BLOOD***
- 2. REGULATE PLASMA (ION)***
- 3. STABILIZE BLOOD PH***
- 4. CONSERVE NUTRIENTS***
- 5. DETOXIFY POISONS***

POSITION OF THE KIDNEYS

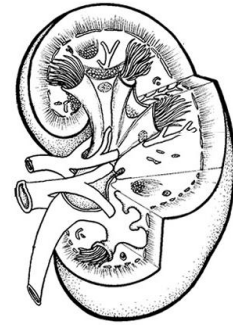
SIZE

PROTECT AND STABILIZED:

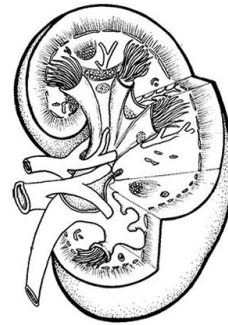
- 1. RENAL CAPSULE***
- 2. ADIPOSE CAPSULE***
- 3. RENAL FASCIA***

HILUM

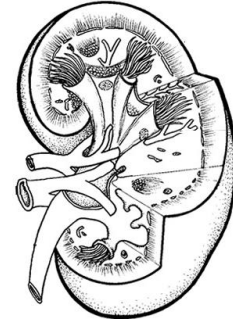
RENAL SINUS



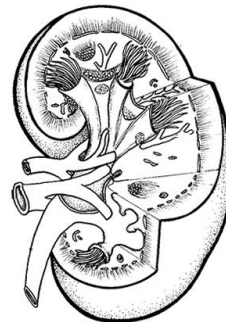
RENAL CAPSULE



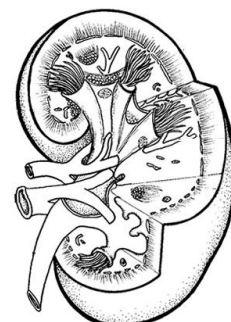
RENAL CORTEX



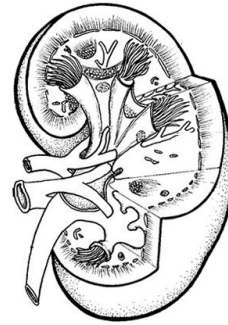
RENAL PYRAMIDS



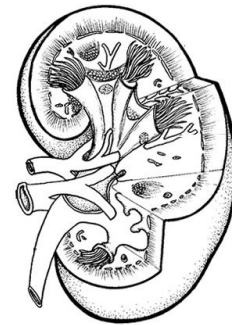
RENAL COLUMNS



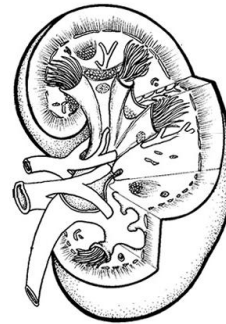
RENAL LOBE



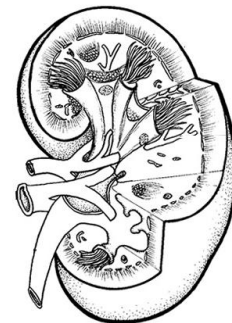
RENAL PAPILLA



MAJOR CALYX



RENAL PELVIS



BLOOD SUPPLY TO THE KIDNEYS

SEGMENTAL ARTERIES

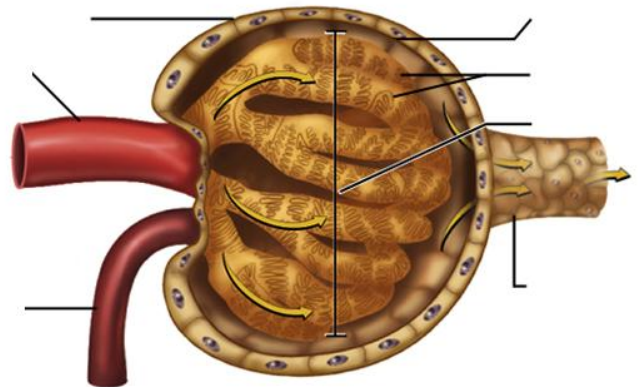
INTERLOBULAR VEINS

AFFERENT ARTERIOLES

NEPHRON

RENAL CORPUSCLE

GLOMERULUS



RENAL TUBULE

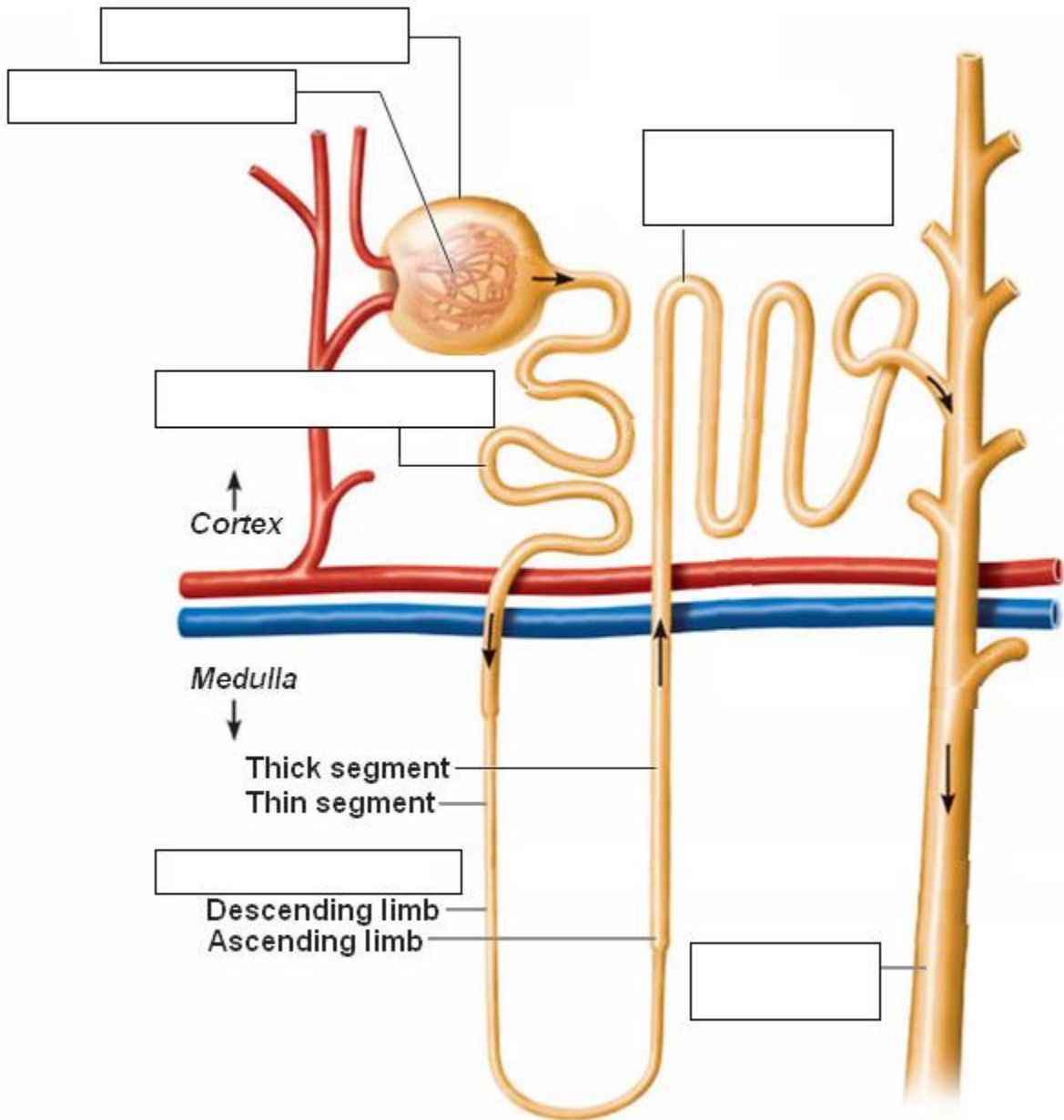
3 FUNCTIONS OF THE RENAL TUBULE

1.

2.

3.

FILTRATION



CORTICAL NEPHRONS

JUXTAMEDULLARY NEPHRONS

