Name: _____ Date: _____

Urinary System

1. protein produced by the enzymatic action of renin on angiotensin; inactive precursor of angiotensinII

2. absemce of urine produced; production of 50mL or less

3. cup-shaped sac that participates in filtration process; receives filtrate which then passes on to PCTs

4. cup-like structures receiving urine from collecting ducts where it passes on to the renal pelvis and ureter

5. smooth muscle in the bladder wall

6. compound that increases urine output, leading to decreased water conservation

7. arteriole carrying blood fom glomerulus to the capillary beds around the convoluted tubules and the nephron loop

8. skeletal muscle; must be relaxed consciously to void urine

9. rate of renal filtration

10. tuft of capillaries surrounded by Bowman's capsule; filters blood based on size

11. smooth muscle at the juncture of the bladder and urethra; relaxes as the bladder fills to allow urine into the urethra

12. descending and ascending portions between PCTs and DCTs

13. inner region of kidney containing the renal pyramids

14. functional units of the kidney; carry out all filtration and modification to produce urine

15. below normal urine production of 400-500 mL/day

A. angiotensin I

B. glomerular filtration rate

C. medulla

D. loop of Henle

E. efferent arteriole

F. Bowman's capsule

G. oliguria

H. detrusor muscle

I. diuretic

J. calyces

K. external urinary sphincter

L. nephrons

M. internal urinary sphincter

N. anuria

O. glomerulus