Bl: Due:

HUMAN URINARY TRACT AND KIDNEY

Name Key

Label the parts of the human urinary system, including the human kidney, in the diagram below. Give the function/purpose of each part.

a. kidneys filter the blood

b. adrenal glands produce aldosterone (+ adrenaline)

c. ureter carries urine from ureter to bladder

d. urinary bladder stores urine until expulsion

e. urethra exit pathway for urine out of the body

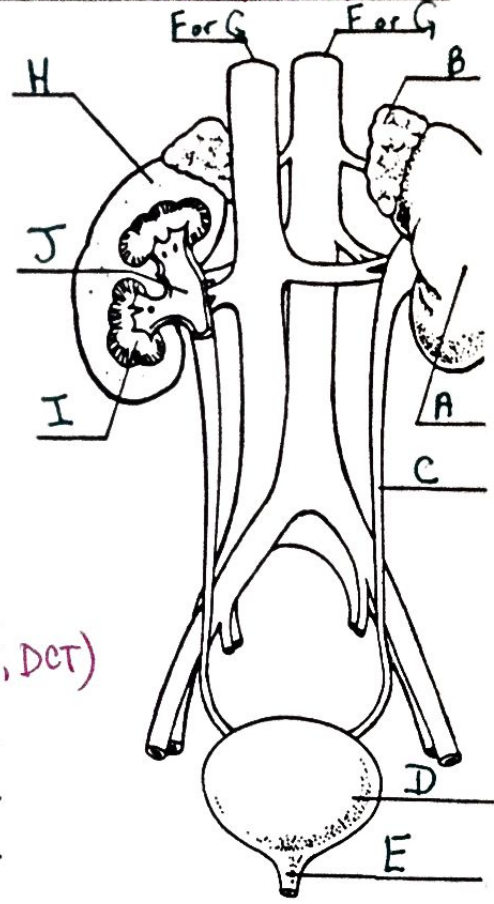
f. renal artery carries "dirty" blood (+ O_2 rich + nutrient rich) into kidney

g. renal vein carries filtered (clean) blood out of kidney.

h. cortex filtration + some reabsorption + excretion (glomerulus, Bowman's, PCT, DCT)

i. medulla reabsorption (loop of Henle, collecting duct)

j. renal pelvis collects urine for transport to bladder



Fill in the blanks below with the correct answers.

Kidneys are the "filters" of the circulatory system. They control essential balance between body salts and water. They remove from the blood nitrogenous wastes, water, urea, nonvolatile foreign substances, excess salt and excess water. The kidney is enclosed by a connective tissue →omit← and is divided into an outer cortex and an inner medulla. The medulla functions chiefly for water resorption. The liquid waste, urine, collected by the kidneys passes through the pelvis (or ureter) to the ureter (bladder) The urinary bladder is a strong muscular organ that stores the urine until it can be excreted via the urethra.