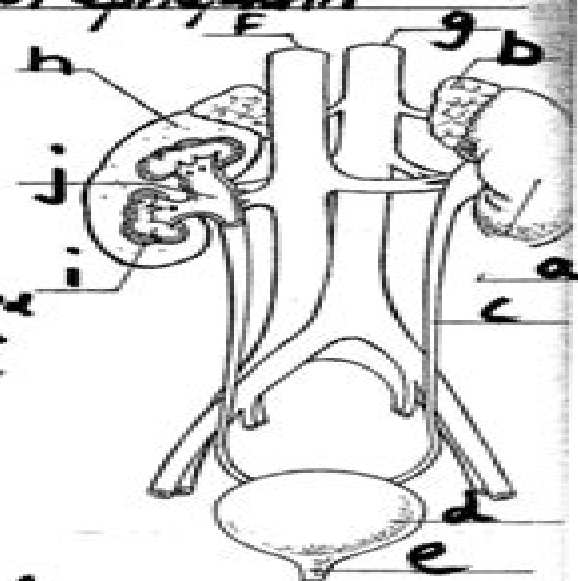


HUMAN URINARY TRACT AND KIDNEY

Name _____

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

- kidneys removes nitrogens, salts, & water from blood
- adrenal glands produce epinephrine & norepinephrine
- ureter drains kidney into the bladder
- urinary bladder Stores urine until it can be released
- urethra drains urinary bladder to
- renal artery Artery leading to kidneys - brings "dirty" blood
- renal vein vein leading away from kidneys - removes "clean" blood
- cortex outer layer of kidney
- medulla inner layer of kidney - contains many nephrons
- renal pelvis drains each nephron - central area, collects urine



Fill in the blanks below with the correct answers.

Kidneys are the "filters" of the excretory 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 capsule and is divided into an outer cortex and an inner medulla. The Loop of Henle functions chiefly for water resorption. The liquid waste, urine, collected by the kidneys passes through the ureter to the urinary bladder. Urinary bladder is a strong muscular organ that stores the urine until it can be excreted via the urethra.

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