HUMAN URINARY TRACT AND KIDNEY

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—remove liquids and other substances from blood

b. adrenal glands—produce hormones

c. ureter—joins kidney to bladder

d. urinary bladder—stores urine until released from the body

e. urethra—neck of bladder

f. renal artery—artery leading to the kidneys

g. renal vein—vein going away from the kidneys

h. cortex—outer portion of kidney

i. medulla—inner portion of kidney

j. renal pelvis—central area of kidney

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**. The urinary bladder is a strong muscular organ that stores the urine until it can be excreted via the **urethra**.