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 **removes nitrogenous, salts, water from blood**

b. adrenal glands **produce epinephrine, Norepinephrine**

c. ureter **drains kidney into the bladder**

d. urinary bladder **stores urine until it can be released**

e. urethra **drains urinary bladder to**

f. renal artery **Artery leading to kidneys - brings "dirty" blood**

g. renal vein **Vein leading away from kidneys - removes "clean" blood**

h. cortex **outer layer of kidney**

i. medulla **inner layer of kidney - contains many Nephrons**

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