Basic Renal Processes

Afferent arteriole
Glomerulus
Bowman’s capsule
GF
Kidney tubule
Peritubular capillary
Efferent arteriole

To venous system (conserved for the body)

Urine excretion (eliminated from the body)

GF = Glomerular filtration, nondiscriminant filtration of a protein-free plasma from glomerulus into Bowman’s capsule

TR = Tubular reabsorption, selective movement of filtered substances from tubular lumen into peritubular capillaries

TS = Tubular secretion, selective movement of nonfiltered substances from peritubular capillaries into tubular lumen