Figure 9.8 Diagram of a mammalian kidney. The kidney Henle's loops and collecting ducts. The urine is initially formed by ultrafiltration in the contains a large number, up to several million, of single Malpighian bodies. The filtered fluid is modified and greatly nephrons. Only one nephron is indicated in this diagram and is shown enlarged to the right. The outer layer of the reduced in volume as it passes down the renal tubule and into the collecting ducts. These empty the urine into the renal kidney, the cortex, contains the Malpighian bodies and the pelvis, from where it is conveyed via the ureter to the bladder. proximal and the distal convoluted tubules. The capillary network within the Malpighian body is known as the

glomerulus. The inner portion, the medulla, contains