Excretory System

- Skin
- Lungs
- Liver
- Kidneys
- Large intestine

Organs of Excretion

Figure 14.2
1. Kidneys produce urine.
2. Ureters transport urine.
3. Urinary bladder stores urine.
4. Urethra passes urine to outside.
Human Kidney
(Figs. 14.4, 14.8)

20. glomerulus
17. Bowman's capsule
18. efferent arteriole
19. afferent arteriole
16. intralobular artery
11. proximal convoluted tubule
12. distal convoluted tubule
13. pyramid
14. ureter
8. cortex
10. renal pelvis

Collecting ducts
Nephrons

Fig. 14.4

Water (H₂O)

Loop of Henle

Peritubular capillary network
Venules
Vein
Artery

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"overall" summary

**Filtration**
- Glomerulus
- Bowman's capsule
- Artery
- 80% (serum protein and blood cells)

**Reabsorption**
- Proximal convoluted tubule
- Loop of Henle
- Collecting duct

**Secretion**
- Tubular excretion
- Vein