

Kidney Anatomy Quiz PDF

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What is the shape of the kidneys?

- Spherical
- Cuboidal
- Triangular
- Bean-shaped

Where are the kidneys located in the body?

- In the thoracic cavity
- In the pelvic cavity
- In the retroperitoneal space
- In the cranial cavity

What is the primary function of the kidneys?

- Produce digestive enzymes
- Filter blood and produce urine
- Store bile
- Absorb nutrients

Which part of the nephron is responsible for the initial filtration of blood?

- Proximal convoluted tubule
- Loop of Henlé
- Bowman's capsule
- Collectin duct

What is the approximate number of nephrons in each kidney?

- 100,000
- 500,000

- 1 million
- 5 million

Which hormone is produced by the kidneys to stimulate red blood cell production?

- Insulin
- Erythropoietin
- Adrenaline
- Thyroxine

Which conditions can affect kidney function? (Select all that apply)

- Kidneys stones
- Diabetes
- Hypertension
- Osteoporosis

Which of the following are parts of the nephron? (Select all that apply)

- Glomerulus
- Renal pelvis
- Proximal convoluted tubule
- Loop of Henlé

Which structures are involved in urine transport from the kidneys to the bladder? (Select all that apply)

- Ureters
- Urethra
- Renal pelvis
- Collectin ducts

How do the kidneys contribute to maintaining acid-base balance in the body?

What structure collects urine from the renal pyramids?

- Renal cortex
- Renal pelvis
- Ureter
- Bladder

What are common diagnostic tools for assessing kidney health? (Select all that apply)

- Ultrasound
- CT Scan
- MRI
- Blood tests

Explain the role of the Loop of Henlé in urine concentration.

Which blood vessel carries blood away from the kidneys?

- Renal artery
- Renal vein
- Aorta
- Inferior vena cava

What are the main differences between the renal cortex and renal medulla?

Discuss the impact of chronic kidney disease on overall health.

Describe the process of blood filtration in the glomerulus.

What lifestyle changes can help maintain healthy kidney function?

Which of the following are functions of the kidneys? (Select all that apply)

- Regulation of blood pressure
- Detoxification of blood

- Production of digestive enzymes
- Regulation of electrolytes

Which hormones are involved in kidney function? (Select all that apply)

- Renin
- Erythropoietin
- Insulin
- Cortisol