



Biomed Virtual Learning

Medical Terminology

May 4, 2020



Medical Terminology/The Urinary System

Lesson: May 4, 2020

Objective/Learning Target:

Students will be able to describe the structures and functions of the Urinary System.

Bellwork: Answer in your notebook or piece of paper.

Bellwork 1:

Using your previous knowledge, make a list of as many structures that you can that comprise the Urinary System.

Bellwork 2:

What is the function of the Digestive System?

Bellwork Questions/Answers

Bellwork 1: Using your previous knowledge, make a list of as many structures that you can that comprise the Urinary System. -Answers can vary between the following: Kidney, Urethra, Bladder, Adrenal Glands, Renal Vein, Renal Artery

Bellwork 2: What is the function of the Digestive System? -Functions vary between....Bringing food to the body for nutrients, breaking down food into usable nutrients, Absorbing those nutrients, eliminating solid wastes from the body

The Function of the Urinary System

The major functions of the Urinary System is to...

- a) remove waste from the blood
- b) regulate fluid levels and electrolytes
- c) controlling blood pressure
- d) produces hormone that aids in red blood cell production
- e) carries urine through the system to be removed.

Test your Knowledge 1!

Give 1 function of the Urinary System:



Testing your Knowledge 1 Answer:

Give 1 function of the Urinary System:

Answers can vary between: 1) Filtering waste from the body 2) Regulates electrolyte levels and fluid in the body 3) Contributes to blood pressure control 4) Plays a role in red blood cell production 5) Carries urine through the body system

Learning More about Urinary System Structures

Read the article about the [Bladder](#) and answer the questions that follow. Please take notes in your notebook or piece of paper to be able to answer the following questions.

- 1) What is the function of the bladder?
- 2) How much volume can the bladder hold? For how long?
- 3) What structure connects the bladder to the kidneys?
- 4) How does urine leave the bladder?
- 5) How can one maintain good bladder health?



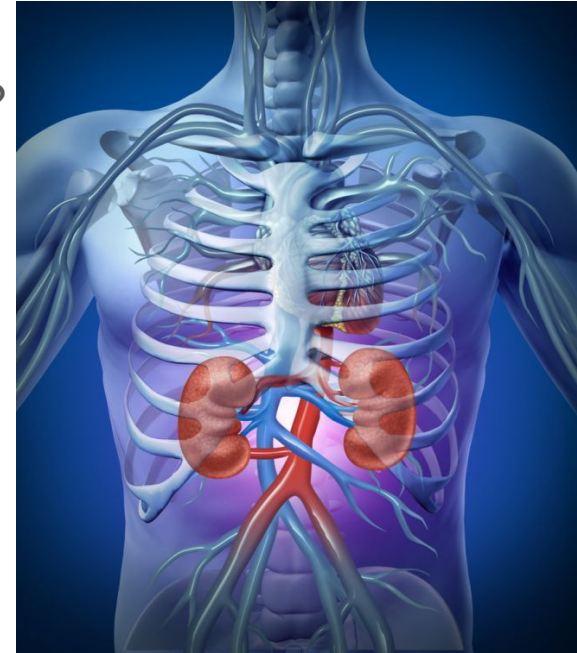
Bladder Questions/Answers

- 1) What is the function of the bladder? -fleshy storage tank that stores urine
- 2) How much volume can the bladder hold? For how long? -Holds 16 ounces for 2-5 hours
- 3) What structure connects the bladder to the kidneys? -Ureters
- 4) How does urine leave the bladder? -A muscle called Detrusor Muscles contract to squeeze out urine
- 5) How can one maintain good bladder health? -Drink plenty of water, don't hold your urine for too long (over 1 hour)

Continued learning

Read this article over the [Kidneys](#) to learn more. Please take notes in your notebook or piece of paper to be able to answer the following questions.

- 1) What are the structures of the kidneys?
- 2) What chance do you have to developing kidney disease?
- 3) What are kidney stones? What can increase the likelihood to develop them?

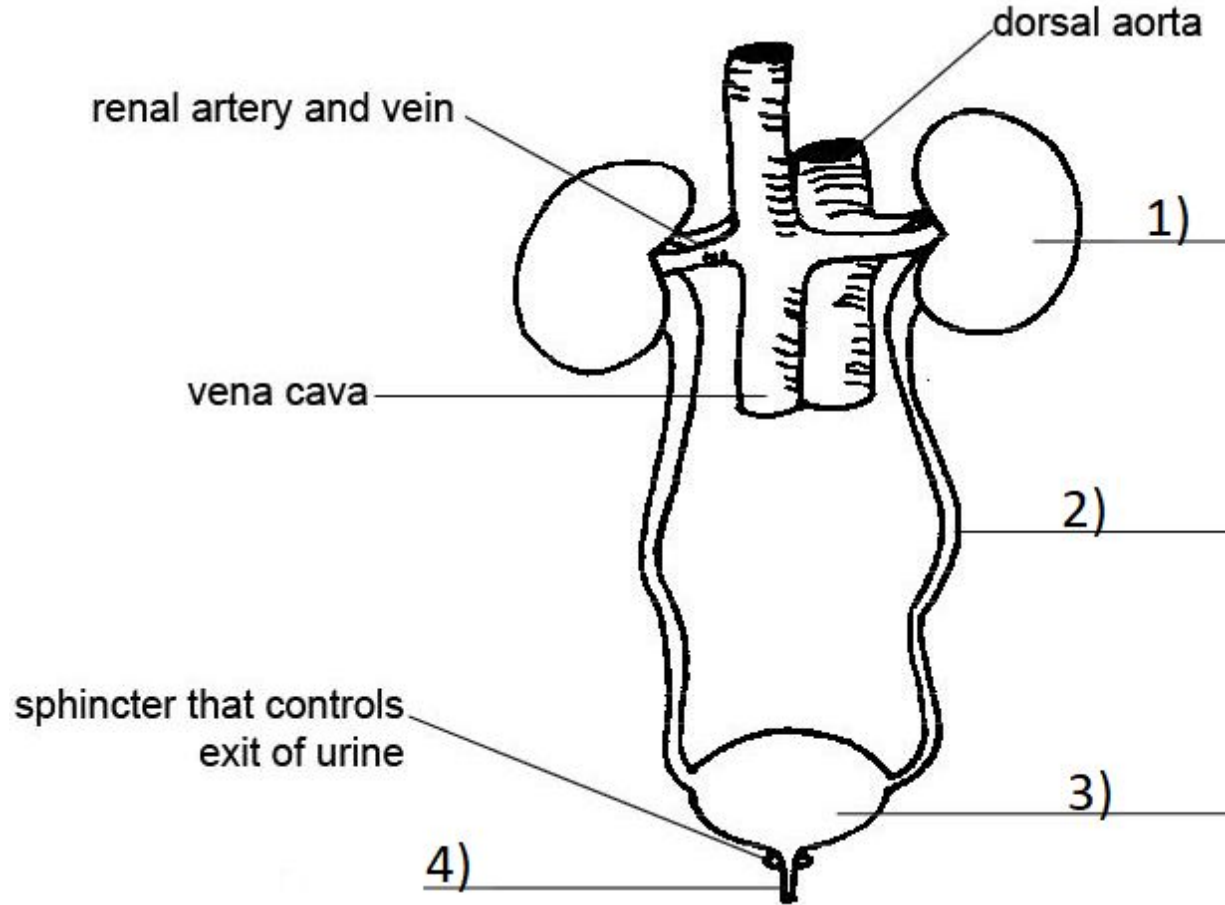


Kidney Questions/Answers

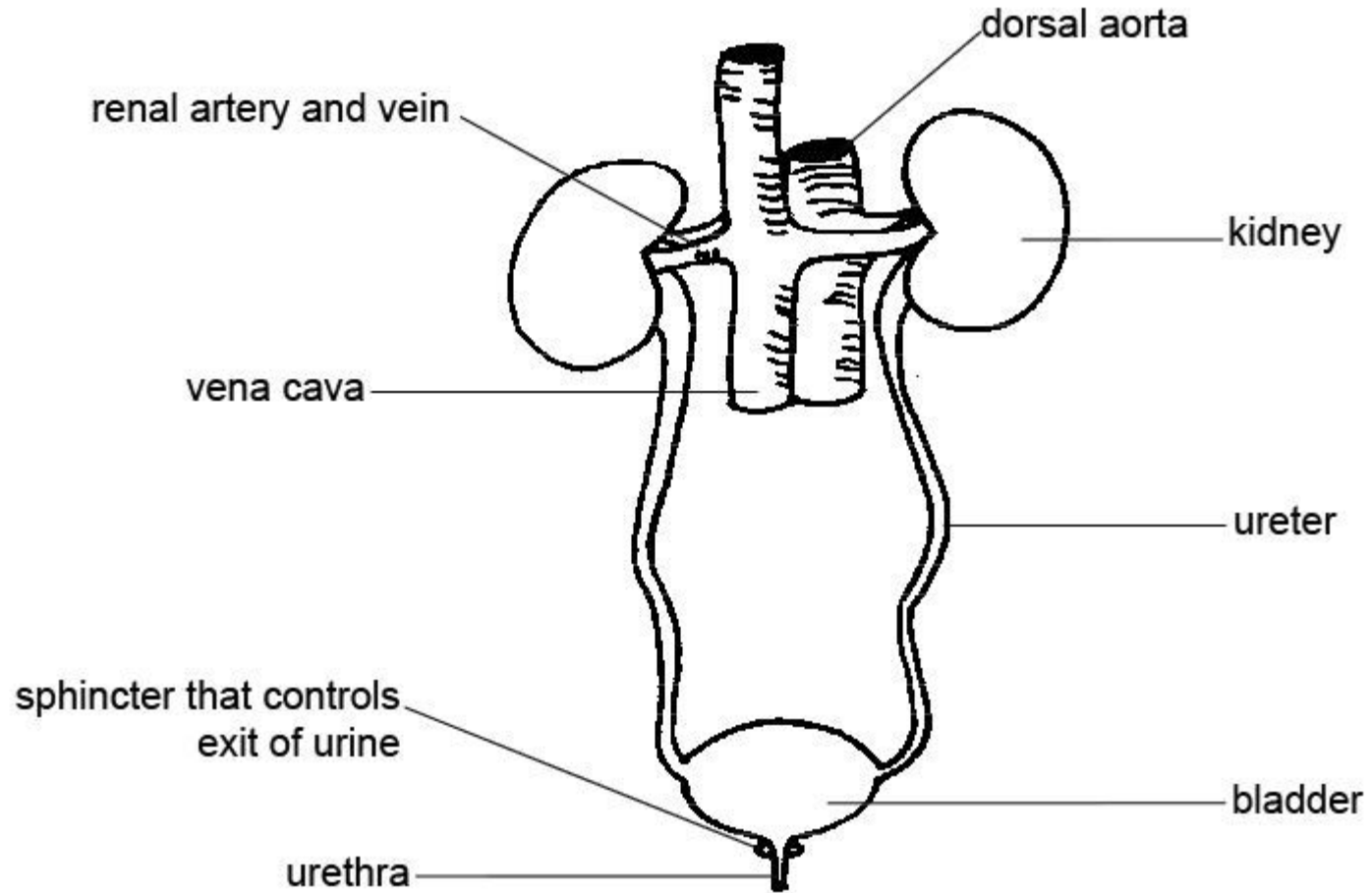
- 1) What are the structures of the kidneys? -nephrons, glomerulus, tubules
- 2) What chance do you have to developing kidney disease? -you have a one in three chance of developing kidney disease
- 3) What are kidney stones? What can increase the likelihood to develop them?
-Kidney stones are stones made from hardened minerals and acid salts. You can increase the likelihood of kidney stones by increasing the intake of vitamin C, adding calcium supplements, and prolonged dehydration

Test your Knowledge 2

Using the information you learned, let's see if you can label this diagram!



Check your Knowledge 2



Additional Information!

[How your Urinary System Works](#)

[Anatomy of Urinary System](#)

