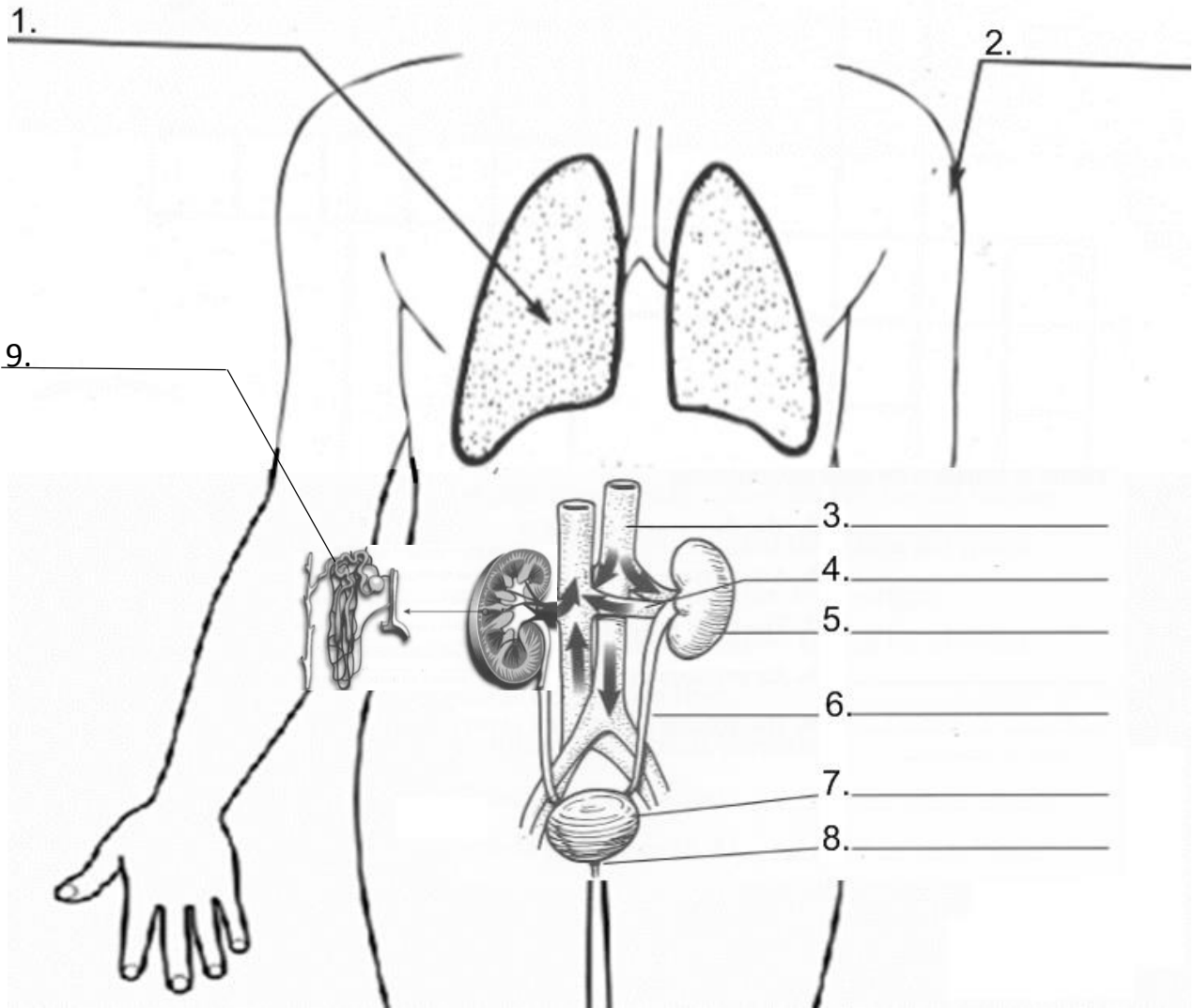


Excretory (Urinary) System

Use the words from the Word Bank to label the diagram of the Excretory System.

<u>Word Bank</u>		
aorta delivers blood	bladder	lungs
kidney	nephron	renal vein returns blood
skin	ureter	urethra

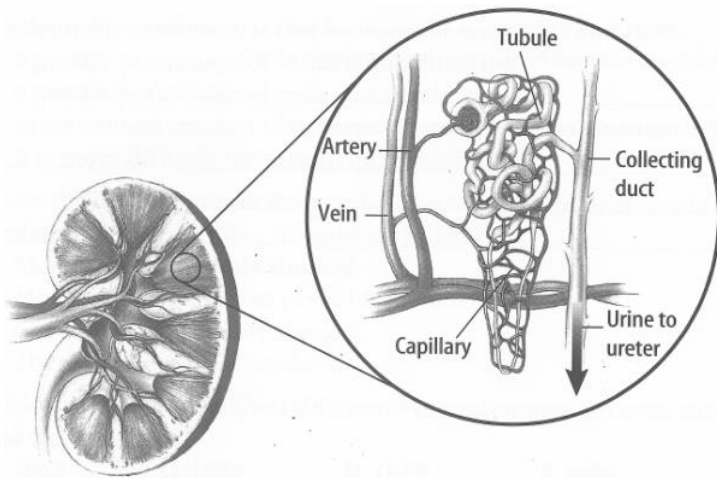


Far Out Fact: Your urine is yellow because of the bile in it.

Far Out Fact: You can survive with only one kidney.

A Closer Look at a Nephron:

- The aorta brings in blood to the kidney, branching into smaller and smaller blood vessels.
- Inside each kidney are around a million **nephrons** (tiny filtering units).
- Nephrons consist of a bowl-shaped structure and a tubule that serves as a collecting tube.
- Inside the bowl-shaped structure are capillaries (tiny blood vessels). They carry blood that needs filtering from the arteries.
- Water, salts, and wastes from your blood pass into the bowl-shaped structure.
- Liquid is squeezed into the tubes, where capillaries surrounding them reabsorb needed water, salts, and sugar, and send them back in the purified blood. Unneeded materials and waste flow into the collecting tubules to make their way to the bladder and out of your body.
- The renal vein carries the filtered blood back the heart where it can be pumped to the rest of the body.



Mark each statement as True or False.

1. Unneeded materials and waste travel to a collecting tube, which is part of a nephron.
2. All of the blood in your body passes through your kidneys once a day.
3. Your liver is part of the urinary system.
4. The main job of the kidneys is to filter your blood.
5. Capillaries carry blood into the nephrons.
6. Water liquid is called urine.
7. There are 100 nephrons in each kidney.
8. Urine travels from your kidneys to your bladder in the urethra.
9. Urine travels out of your body through the urethra.
10. Blood leaves the kidneys through a renal vein and returns to the main circulatory system.

Complete the table below by marking which organ(s) of the excretory system perform each of the listed functions.

Function	Excretory Organs			
	kidneys	lungs	skin	bladder
removes water				
removes salt				
stores urine				
removes carbon dioxide				
produces urine				

Far Out Fact: An average adult will produce approximately one liter of urine each day.