

## TOPIC: BLOOD SUPPLY OF THE KIDNEYS

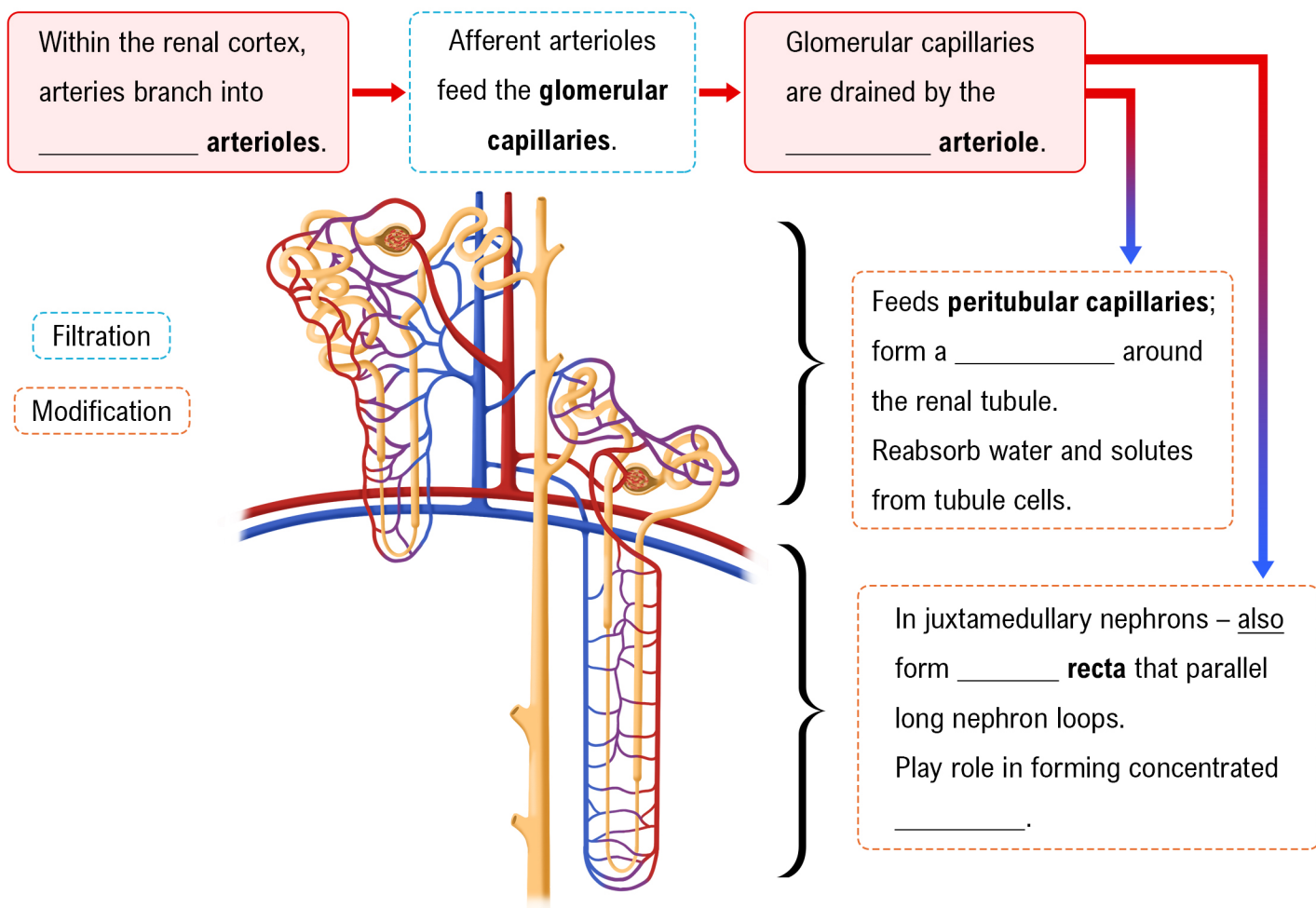
### Blood Supply of the Kidneys

- ◆ The kidneys receive about \_\_\_\_\_ total cardiac output.
- ◆ Blood supply comes from the \_\_\_\_\_ **arteries**; exits via the **renal** \_\_\_\_\_.

Recall Afferent vs. Efferent

Afferent = Arrive.

Efferent = Exit.



### EXAMPLE

Juxtamedullary nephrons play a role in forming concentrated urine. Based on that knowledge, which of the following structures must *also* play a role in forming concentrated urine?

- a) Afferent arterioles.
- b) Renal arteries.
- c) Vasa recta.
- d) Glomerular capillaries.

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### **PRACTICE**

The arteriole that exits the glomerular capillaries and goes on to form the peritubular capillaries is the:

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- a) Afferent arteriole.
- b) Efferent arteriole.
- c) Vasa recta.
- d) Renal vein.