Quiz Submissions - Quiz 2

Sharon Mak (username: smak01)

Attempt 1

Written: Jun 4, 2020 1:20 PM - Jun 4, 2020 1:36 PM

Submission View

Released: Jun 9, 2020 8:30 AM

Question 1 **1 / 1 point**

Highly elevated blood pressure would stimulate an increased glomerular filtration rate.

- ✔ a) True
- b) False

Question 2 **1 / 1 point**

Antidiuretic hormone exerts its effect via a cAMP second messenger system.

- ✔ a) True
- b) False

Question 3 **1 / 1 point**

The _____ acts as a countercurrent exchanger.

- a) juxtaglomerular apparatus
- b) peritubular capillaries
- ✔ c) vasa recta

d) macula densa

Question 4 **0 / 1 point**

Na^+ moves by _____ from the filtrate into the epithelial cells of the proximal tubule.

✖ a) active transport

b) Na^+/K^+ pump

➡ c) diffusion

d) pinocytosis

Question 5 **0 / 1 point**

The concentration of renal filtrate is highest in the

a) proximal convoluted tubule.

➡ b) base of the Loop of Henle.

c) distal convoluted tubule.

✖ d) cortical portion of the collecting duct.

Question 6 **1 / 1 point**

The sensor in tubuloglomerular feedback is a group of cells called the

✔ a) macula densa.

b) glomerulus.

c) vasa recta.

d) macula lutea.

Question 7 **1 / 1 point**

Glomerular filtration would be decreased by

a) increased plasma protein concentration.

b) increased glomerular filtrate protein concentration.

✔ c) decreased glomerular hydrostatic pressure.

d) increased mean arterial pressure.

Question 8 **1 / 1 point**

Inhibition of _____ secretion from the adrenal cortex stimulates hyperkalemia.

✔ a) aldosterone

b) renin

c) angiotensin I

d) angiotensin II

Question 9 **1 / 1 point**

The reabsorption of Na^+
in the proximal tubule creates an osmotic gradient for the diffusion of _____ to occur.

- a) Cl^-
- ✔ b) H_2O
- c) K^+
- d) All of the choices are correct.

Question 10 **1 / 1 point**

The return of molecules from the tubules to the blood is called as

- ✔ a) reabsorption.
- b) secretion.
- c) filtration.
- d) autoregulation.

Attempt Score: 8 / 10 - 80 %

Overall Grade (highest attempt)**:** 8 / 10 - 80 %

Quiz Submissions - Quiz 2

Sharon Mak (username: smak01)

Attempt 2

Written: Jun 4, 2020 1:40 PM - Jun 4, 2020 2:00 PM

Submission View

Released: Jun 9, 2020 8:30 AM

Question 1 **1 / 1 point**

The vasa recta have the net effect of concentrating solutes in the interstitial fluid of the renal medulla.

- ✔ a) True
- b) False

Question 2 **1 / 1 point**

Macula densa cells of the juxtaglomerular apparatus are part of the tubuloglomerular feedback mechanism.

- ✔ a) True
- b) False

Question 3 **1 / 1 point**

Tubular ultrafiltrate enters the collecting duct from the

- a) glomerulus.
- b) loop of Henle.
- ✔ c) distal convoluted tubule.

d) proximal convoluted tubule.

Question 4 **1 / 1 point**

The ____ limb of the loop of Henle is impermeable to salt.

a) ascending

✔ b) descending

c) both limbs

d) neither

Question 5 **0 / 1 point**

The __________ surface of the simple cuboidal epithelia in the proximal convoluted tubule contains microvilli.

a) lateral

✖ b) basal

c) basolateral

➡ d) apical

Question 6 **0 / 1 point**

What is present in the vasa recta to remove water for the interstitial fluid of the renal medulla?

✖ ○ a) Na^+/K^+ pump

○ b) urea transporters

➡ ○ c) aquaporins

○ d) ADH receptors

Question 7 **1 / 1 point**

Na^+ reabsorption is a(n) _____ process, while Cl^- reabsoprtion is a(n) _____ process.

○ a) active, active

✔ ○ b) active, passive

○ c) passive, passive

○ d) passive, active

Question 8 **1 / 1 point**

What structures carry urine from the kidneys to the urinary bladder?

✔ ○ a) ureters

○ b) urethras

○ c) calyces

○ d) pyramids

Question 9 **1 / 1 point**

The _____ nephrons play an important role in producing concentrated urine.

✔ a) juxtamedullary

b) cortical

c) pelvic

d) calical

Question 10 **1 / 1 point**

_____ are composed of crystals and proteins that grow until they break loose and pass into the urine collection system.

a) Renal columns

✔ b) Renal calculi

c) Renal calyces

d) Renal pyramids

Attempt Score: 8 / 10 - 80 %

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