



# BIOLOGY

# **BOOKS - SARAS PUBLICATION**

# EXCRETORY PRODUCT AND THEIR ELIMINATION



**1.** The hormone which helps in the reabsorption of water in kidney tubules is

- A. Cholecystokinin
- B. Angiotensin II
- C. Antidiuretic hormone
- D. Pancreozymin

#### Answer:



2. Name the excretory organ of crustaceans

A. Adrenal gland

- B. Sebaceous gland
- C. Green gland
- D. Sweat gland

#### Answer:

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**3.** Aldosterone acts at the distal convoluted tubule and collecting duct resulting in the absorption of water through

## A. Aquaporins

- **B.** Spectrins
- C. GLUT
- D. Chloride Channels

#### **Answer:**

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**4.** Which of the following statement is true?

A. Angiotensin II stimulates adrenal cortex				
to secrete aldosterone				
B. Angiotensin	(	convertir	enzyme	
stimulates	JG	cells	to	release
aldosterone				
C. Angiotensin		I	stimulates	
neurohypophysisto secrete ADH				
D. All of the abo	ove			

#### Answer:

**5.** Name the harmone involved in kidney function and is secreted due to the stimulation of neurohypophsis.

A. Aldosterone

B. Oxytocin

C. Vasopressin

D. Adrenaline

Answer:





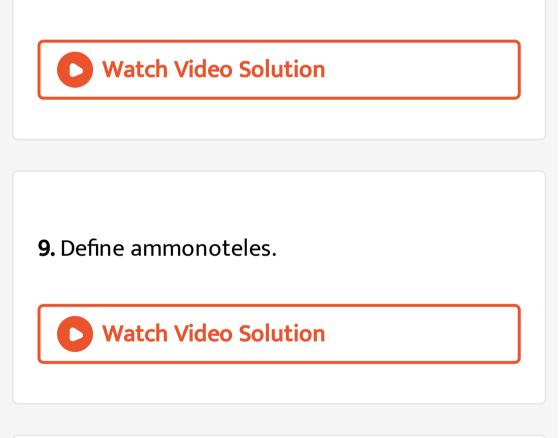
6. What is 'detrusor' muscle?

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**7.** How is urea formed in the human body? (OR) We are not consuming urea. But in our body urea is produced. Why?

8. Name the three main hormones are involved

in the regulation of the renal function?



10. What is osmolarity and how is it expressed.

# 11. Define renal calculi

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12. Name the three filtration barriers that solutes must come across as they move from plasma to the lumen of Bowman's capsule. What components of the blood are usually excluded by these layers?



**13.** Name the three filtration barriers that solutes must come across as they move from plasma to the lumen of Bowman's capsule. What components of the blood are usually excluded by these layers?

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**14.** What is the effect of aldosterone on kidneys and where is it produced?

15. How are nephrons classified based on the

length of Henle's loop?

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**16.** Differentiate cortical from medullary

nephrons.

# **17.** What is ADH?



## 18. Write the causes for diabetes mellitus and

diabetes insipidus.

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**19.** (i)What is the structural and functional units of kidney? (ii)Draw its structure.



## 20. What is the drug used to treat high blood

pressure? Explain its action with a flow chart.