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India's Number 1 Education App

BIOLOGY

BOOKS - BEYOND PUBLICATION

EXCRETION-THE WASTAGE DISPOSING SYSTEM

Example

1. What are the wastes produced during metabolic activities ?

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2. What are the substances present in them ?

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3. Does the composition vary in the same organism in different situations?

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4. What is meant by excretion?

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5. What are the substances present in urine ?

Watch Video Solution

6. How are waste products excreted in amoeba ?

Watch Video Solution

7. How are waste products excreted in amoeba ?

Watch Video Solution

8. What are the other excretory organs of human body ?

Watch Video Solution

9. What are the other excretory organs of human body ?

10. Deepak said that 'Nephrons are functional and structural units of kidneys' . How will you support him?

11. How can you say that kidney is suitable for filtration of biological waste from blood in man ?

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12. How do plants manage the waste materials?

Watch Video Solution

13. Why do some people need to use a dialysis machine? Explain the principal involved

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14. What is meant by osmoregulation? How is it maintained in human body?

Watch Video Solution

15. Do you find any relationship between circulatory system and excretory system? What are they?

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16. Give reasons.

Always vasopressin is not secreted.

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17. Give reasons.

When urine is discharged, in beginning it is acidic in nature later it becomes alkaline.

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18. Give reasons.

Diameter of afferent arteriole is bigger than efferent arteriole.

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19. Give reasons.

Urine is slightly thicker in summer than in winter.

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20. Write differences between,

A. Functions of PCT and DCT

Watch Video Solution

21. Write difference

Kidney and artificial kidney

Watch Video Solution

22. Write difference

Excretion and secretion

Watch Video Solution

23. Write difference

Primary metabolites and secondary metabolites

Watch Video Solution

24. There is a pair of bean-shaped organs 'P' in the human body towards the back, just above the waist. A waste product 'Q' formed by the decomposition of unused proteins in liver is brought into organ 'P' through blood by an

artery 'R'. The numerous tiny. filters 'S' present in organ 'P' clean the dirty blood goes into circulation through a vein 'T'. The waste substance 'Q' other waste salts and excess water form a yellowish liquid 'U' which goes from organ 'P' into a bag like structure 'V' through two tubes 'W' and 'X'. This liquid is then thrown out of the body through a tube 'X'.

What is (i) organ P and (ii) waste substance Q ?

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Watch Video Solution

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What is (i) organ P and (ii) waste substance Q ?

Watch Video Solution

29. The organ 'A' of a person has been damaged completely due to a poisonous waste material 'B' has started accumulation in his blood, making it dirty. In order to save this person's life, the blood from an artery in the person's arm is made to Dow into long tubes made of substance 'E' which are kept in coiled form in a tank containing solution 'F'. This solution contains three materials 'G', 'H' and 'I' and similar proportions to those in normal blood. As the person's blood passes through-long tubes of substance 'E', most of the wastes

present in it go into solution 'F'. The clean blood is then put back into a vein in the person for circulation.

What is organ A ?

Watch Video Solution

30. The organ 'A' of a person has been damaged completely due to a poisonous waste material 'B' has started accumulation in his blood, making it dirty. In order to save this person's life, the blood from an artery in the

person's arm is made to Dow into long tubes made of substance 'E' which are kept in coiled form in a tank containing solution 'F'. This solution contains three materials 'G', 'H' and 'I' and similar proportions to those in normal blood. As the person's blood passes through-long tubes of substance 'E', most of the wastes present in it go into solution 'F'. The clean blood is then put back into a vein in the person for circulation.

Name the waste substance B.

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31. The organ 'A' of a person has been damaged completely due to a poisonous waste material 'B' has started accumulation in his blood, making it dirty. In order to save this person's life, the blood from an artery in the person's arm is made to Dow into long tubes made of substance 'E' which are kept in coiled form in a tank containing solution 'F'. This solution contains three materials 'G', 'H' and 'I' and similar proportions to those in normal blood. As the person's blood passes through-long tubes of substance 'E', most of the wastes

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What is organ A ?

Watch Video Solution

32. The organ 'A' of a person has been damaged completely due to a poisonous waste material 'B' has started accumulation in his blood, making it dirty. In order to save this person's life, the blood from an artery in the

person's arm is made to Dow into long tubes made of substance 'E' which are kept in coiled form in a tank containing solution 'F'. This solution contains three materials 'G', 'H' and 'I' and similar proportions to those in normal blood. As the person's blood passes through-long tubes of substance 'E', most of the wastes present in it go into solution 'F'. The clean blood is then put back into a vein in the person for circulation.

What are G, Hand I?

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33. The organ 'A' of a person has been damaged completely due to a poisonous waste material 'B' has started accumulation in his blood, making it dirty. In order to save this person's life, the blood from an artery in the person's arm is made to Dow into long tubes made of substance 'E' which are kept in coiled form in a tank containing solution 'F'. This solution contains three materials 'G', 'H' and 'I' and similar proportions to those in normal blood. As the person's blood passes through-long tubes of substance 'E', most of the wastes

present in it go into solution 'F'. The clean blood is then put back into a vein in the person for circulation.

What is the process described above known as ?

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34. Imagine what happens if waste materials are not sent out of the body from time to time.

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35. To keep your kidneys healthy for long period what questions will you ask a nephrologist/urologist?

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36. What are the gum yielding trees in your surroundings ? What procedure should you follow to collect gum from trees?

Watch Video Solution

37. Collect the information about respiratory rates in different ages in man.

Watch Video Solution

38. Draw a neat labelled diagram of L.S of kindney.

Watch Video Solution

39. Describe the structure of mitochondria with the help of a diagram.

Watch Video Solution

40. Draw a block diagram showing the pathway of excretory system in human beings.

Watch Video Solution

41. Name the process that occur at PCT region of nephron.

Watch Video Solution

42. If you want to explain the process of filteration I kidney what diagram you need to draw.

Watch Video Solution

43. List out the things that makes you amazing in excretory system of human being.

Watch Video Solution

44. How do you appreciate the functioning of excretory system of human being ?

Watch Video Solution

45. You read about 'Brain dead' in this chapter. What discussions would you like to have when you think so ?

46. We people have very less awareness about organ donation, to motivate people write slogans about donation.

47. After learning this chapter (Excretion - The wastage disposing system) what habits would you like to change or follow for proper functioning of kidneys ?

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48. What products would the orgamsm be able to take up for other activities ?

Watch Video Solution

49. What products would cause harm to the body, if they are not removed ?

Watch Video Solution

50. What happens if harmful products are not removed from our body every day ?

Watch Video Solution

51. What are the substances present in blood ?

Watch Video Solution

52. What are the substances present in urine ?

Watch Video Solution

53. What are the substances present in blood ?

Watch Video Solution

54. Which substances are present above the normal limits both in the blood and urine ?

Watch Video Solution

55. What do you think a reading above normal limits indicates ?

Watch Video Solution

56. What are the materials needed to be removed from our body ?

Watch Video Solution

57. From where are these materials removed ?

Watch Video Solution

58. What are the organs that separate excretory materials ?

Watch Video Solution

59. Why do you think the body must remove waste substances ?

Watch Video Solution

60. Think why the diameter of the efferent arteriole is less than that of afferent arteriole.

Watch Video Solution

61. Why the nephron is considered to be the structural and functional unit of the kidney ?

Watch Video Solution

62. Which arteriole has more diameter, afferent or efferent ?

Watch Video Solution

63. What are the substances that are filtered into the glomerular capsule ?

Watch Video Solution

64. If you drink more water, will you pass more urine ?

Watch Video Solution

65. What are the substances reabsorbed into the peritubular network from proximal convoluted tubule (PC1) ?

66. What are the substances that secrete into distal convoluted tubule (DCl)?

67. If you drink more water, will you pass more urine ?

Watch Video Solution

68. What are the substances reabsorbed into the peritubular network from proximal convoluted tubule (PC1) ?

Watch Video Solution

69. Why more urine is produced in winter ?

Watch Video Solution

70. What happens if reabsorption of water does not take place ?

Watch Video Solution

71. What happens if both kidneys fail completely ?

Watch Video Solution

72. Is there any long term solution for kidney failure patients ?

Watch Video Solution

73. Where is the transplanted kidney fixed in the body of a kidney failure patient ?

Watch Video Solution

74. What about the failed kidneys ? (Or) Write about the failure of kidneys.

Watch Video Solution

75. Can donor survive her life with single kidney without any complications ?

Watch Video Solution

76. What are the other excretory organs of human body ?

Watch Video Solution

77. Collect mformatton on sebum and prepare a news bulletin, display it on bulletin board.

Watch Video Solution

78. People in cold countries get very less/no sweat. What changes occur in their skin and in other excretory organs ?

Watch Video Solution

79. Do plants excrete like animals ?

Watch Video Solution

80. How do plants manage or send out waste products from its body ?

Watch Video Solution

81. Why do plants shed their leaves and bark periodically ?

Watch Video Solution

82. Name the alkaloids which are harmful to us.

Watch Video Solution

83. Do roots secrete ?

Watch Video Solution

84. Do you think there is any relation between reduction in yielding and root secretions ?

Watch Video Solution

85. Why do we get pecullar smell when you shift the potted plants.

Watch Video Solution

86. Explain the external features of kidney in human beings.

Watch Video Solution

87. Explain the external features of kidney in human beings.

Watch Video Solution

88. Explain the external features of kidney in human beings.

Watch Video Solution

89. Explain the external features of kidney in human beings.

Watch Video Solution

90. What is the size of the kidney ?

Watch Video Solution

91. Explain the external features of kidney in human beings.

Watch Video Solution

92. Explain the external features of kidney in human beings.

Watch Video Solution

93. Do cells need excretion ?

Watch Video Solution

94. Why are we advised to take sufficient water ?

Watch Video Solution

95. Why do some children pass urine during sleep at night until 15 or 16 years of age?

Watch Video Solution

96. Why weeds and wild plants are not affected by insects and pests ?

Watch Video Solution

97. Which is the most poisonous excretory material produced in metabolism of living organisms ?

Watch Video Solution

98. Whaat is the meaning of 'Insulin' in Latin ?

Watch Video Solution

99. What are the major parts in human excretory system ?

Watch Video Solution

100. In which animals excretion takes place by diffusion?

Watch Video Solution

101. Where do you observe flame cells as excretory organs ?

Watch Video Solution

102. We are the excretory organs in Earthworm. Who are we ?

Watch Video Solution

103. How does excretion take place in moluscs?

Watch Video Solution

104. What are excretory organs in all vertebrates?

Watch Video Solution

105. What are the other excretory organs of human body ?

Watch Video Solution

106. What are sebaceous glands? What is their function?

Watch Video Solution

107. Name the bile pigments?

Watch Video Solution

108. What are the wastes excreted by intestine ?

Watch Video Solution

109. What is meant by excretion?

Watch Video Solution

110. What is micturition?

Watch Video Solution

111. What is the result of deficiency of vasopressin?

Watch Video Solution

112. Major component of urine is

Watch Video Solution

113. What is ESRD ?

Watch Video Solution

114. What is haemodialysis ?

Watch Video Solution

115. I am an anticoagulant of blood. I can stop the clotting of blood inside the blood vessels. Who am I?

Watch Video Solution

116. What is the permanent solution for the kidney failure ?

Watch Video Solution

117. Where does reabsorption of water takes place in excretion?

Watch Video Solution

118. Route of tubular secretion is

Watch Video Solution

119. Analyse the following information and answer the questions.

Alkaloid	Part of the plant	Uses
Quinine	Bark	Anti malarial drug.
Nicotine	Leaves	Insecticide
Morphine, Cocaine	Fruits	Pain killer
Caffeine	Seeds	Central Nervous System stimulant.
Pyrethroids	Flowers	Insecticides
Scopolamine	Fruits, flowers	Sedative

What are the alkaloids which are used to control the diseases that occur in plants?

Watch Video Solution

120. What are the uses of tannins ?

Watch Video Solution

121. Scientific name of Indian rubber tree is

Watch Video Solution

122. Write about gums and latex? How do they economically valuable to us?

Watch Video Solution

123. What are the organs that can be transplanted from brain dead patients ?

Watch Video Solution

124. How do pollengrain affect our health?

Watch Video Solution

125. Name the hospital where the organ transplantation facility is available in Hyderabad.

Watch Video Solution

126. What is chewing gum? How is it made of?

Watch Video Solution

127. Write the correct sentence given below.

Right kidney - slightly lower than left kidney

Right kidney - slightly higher than left kidney

Right kidney - left kidney are same height.

Right kidney - is nearer to vertebral column than left kidney

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128. Name the tube that carries urine from the kidney to the urinary bladder.

Watch Video Solution

129. Which are wastes eliminated by saliva and tears in small proportions?

Watch Video Solution

130. Give examples for the organisms which do not have special excretory organs.

Watch Video Solution

131. Name the alkaloids which are harmful to us.

Watch Video Solution

132. Give examples for the organisms which do not have special excretory organs.

Watch Video Solution

133. Name the waste which get stored in fruits in the form of solid bodies.

Watch Video Solution

134. How much percentage of nephrons usually decreased at every 10 years?

Watch Video Solution

135. In urine excretory system much water is reabsorbed. What happens if it doesn't occur?

Watch Video Solution

136. A substance given below consists of other three substances. What is that su~stance ? Where is it produced? Uric Acid, Sodium, Oxalate, Urine.

Watch Video Solution

137. Why do we feel sticky of stem and leaves of a plant effected with aphids?

Watch Video Solution

138. What is Anabolism ?

Watch Video Solution

139. When you are on a field trip, your friend collected a sticky substance oozed out by a plant called gum. What are the plants you observe which give gum ?

Watch Video Solution

140. What is meant by excretion?

Watch Video Solution

141. What are primary metabolites?

Watch Video Solution

142. Why is urine yellow in color ?

Watch Video Solution

143. Write the names of any two excretory organs in human beings.

Watch Video Solution

144. Which plants in your surroundings are useful for the production of medicines ?

Watch Video Solution

145. Which plants can you get in your village ? Among these by products of which plants do you use in your real life?

Watch Video Solution

146. Scientific name of Indian rubber tree is

Watch Video Solution

147. Write two slogans to popularize the awareness on "Organ Donation".

Watch Video Solution

148. What is Catabolism ?

Watch Video Solution

149. What are the substances present both in blood and urine ?

Watch Video Solution

150. What are the substances that need to be removed from body ?

Watch Video Solution

151. What are the two distinct regions present inside the kidney?

Watch Video Solution

152. What is meant by Glomerulus?

Watch Video Solution

153. What are podocyte cells?

Watch Video Solution

154. What is the function of Distal convoluted tubule ?

Watch Video Solution

155. The amount of water absorption in the tubule depends on ?

Watch Video Solution

156. In which region is 75% of water content of the nephric filtrate reabsorbed ?

Watch Video Solution

157. What is uremia ?

Watch Video Solution

158. What is cadaver transplantation ?

Watch Video Solution

159. What are the wastes sebum of sebaceomtglandsin skin contains?

Watch Video Solution

160. What are the metabolic wastes of haemoglobin of red blood cells in liver?

161. How is urea produced in liver ?

162. How do unicellular organisms remove waste products ?

Watch Video Solution

163. What is the osmoregulatory organelle in amoeba and paramoecium ?

Watch Video Solution

164. Water bathes almost all their cells in body of organisms belonging to these animal phyla?

Watch Video Solution

165. Name the process through which plants get rid of excess water.

Watch Video Solution

166. What are Raphides ?

Watch Video Solution

167. Name the alkaloid which is used as medicine to cure malaria.

Watch Video Solution

168. Name the sedative extracted from the flower and fruit of Datura stromanium?

Watch Video Solution

169. Analyse the following information and answer the questions.

Alkaloid	Part of the plant	Uses
Quinine	Bark	Anti malarial drug.
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Pyrethroids	Flowers	Insecticides
Scopolamine	Fruits, flowers	Sedative

What are the alkaloids which are used to control the diseases that occur in plants?

Watch Video Solution

170. What are tannins ?

Watch Video Solution

171. In which group of plants does resin occur?

Watch Video Solution

172. What is latex ?

Watch Video Solution

173. Para rubber is obtained from the latex of

Watch Video Solution

174. Bio- diesel is obtained from the seeds of ?

Watch Video Solution

175. For the successuul kidney transplantation, from which person can kidney be received?

Watch Video Solution

176. What may be the feeling of the patients who are waiting for suitable organs donations due to failure of vital organs?

Watch Video Solution

177. What may be the feeling of a doctor while transplanting the organs?

Watch Video Solution

178. How can you appreciate the father of Yashwanth Kumar for donating the organs of his brain dead son?

Watch Video Solution

179. How can you appreciate the father of Yashwanth Kumar for donating the organs of his brain dead son?

Watch Video Solution

180. What does the society need about organ donation?

Watch Video Solution

181. Which substances are present above the normal limits both in the blood and urine ?

Watch Video Solution

182. Why more urine is excreted ?

Watch Video Solution

183. Why do we get pecullar smell when you shift the potted plants.

Watch Video Solution

184. What are the defensive mechanism developed by plants of your village to protect themselves from the herbivores ? Give two examples.

Watch Video Solution

185. What is meant by excretion?

Watch Video Solution

186. Write a short note on liver. How it is working as an accessory excretory organ?

Watch Video Solution

187. Do plants excrete like animals ?

Watch Video Solution

188. How do plants manage or send out waste products from its body ?

Watch Video Solution

189. What are called raphids? What are the compounds prepare by the plants for their own use, espically for their self defense?

Watch Video Solution

190. How many types of biochemical substances are produced by the plants? What are they?

Watch Video Solution

191. What are alkaloids? Give some examples.

Watch Video Solution

192. What are tannins ?

Watch Video Solution

193. What is Resin? Where do they occur mostly?

Watch Video Solution

194. Write about gums and latex? How do they economically valuable to us?

Watch Video Solution

195. What are the effects of pollengrains when they enter in our body?

Watch Video Solution

196. Roots not only absorb fluid from soil, but returns a portion of their percullar secretions back into it. Who proved it from his experiments?

Watch Video Solution

197. Write difference

Excretion and secretion

Watch Video Solution

198. Why do we get pecullar smell when you shift the potted plants.

Watch Video Solution

199. Why is organ donation a gift for life?

Watch Video Solution

200. What is micturition?

Watch Video Solution

201. What are the materials present in urine?

Watch Video Solution

202. Nephron is called structural and functional unit of kidney. Why?

Watch Video Solution

203. Blood is filtered in Bowman's capsule of nephron. For the filtration of blood some pressure is needed. How does this pressure happen to blood ?

Watch Video Solution

204. Classify the substances given below.

Ptyaline, Leptin, Morphine, Riboflavin, Testosterone, Thyamin, Niacine, Sucrase, Nicotine, Amylase, Retinol, Quinine, Calciferol, Adrenaline, Tripsin.

Watch Video Solution

205. Which substances are present above the normal limits both in the blood and urine ?

Watch Video Solution

206. Two kidneys are present in human beings as excretory organs. Haritha, whose age is 23 years, donated one kidney to her father. Now she has one kidney only. She gave birth to a female child.

Support your answer.

Watch Video Solution

207. Draw the diagram of nephron. Recognize the parts of glomerulus and tubular

reabsorption. Write how those actions take place.

Watch Video Solution

208. Correct the Ravi's answers form the following questions.

1) Quinine is extracted from Cinchona plants.

Watch Video Solution

209. Correct the Ravi's answers form the following questions.

2) Pirithroids are produced from Datura fruits and flowers

Watch Video Solution

210. Correct the Ravi's answers form the following questions.

3) Caffeine is the nervous stimulator.

Watch Video Solution

211. Correct the Ravi's answers from the following questions.

4) Morphine works as a pain killer.

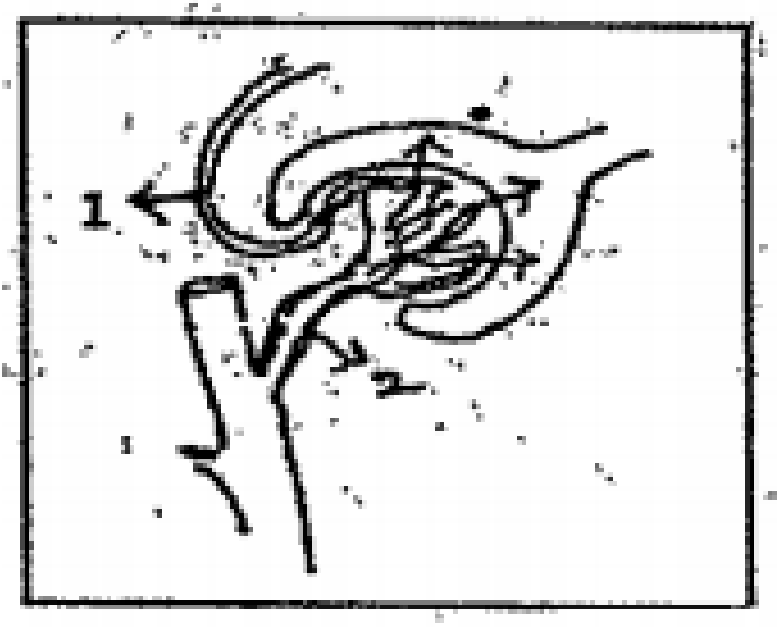
Watch Video Solution

212. Correct the Ravi's answers form the following questions.

5) Scientific name for Tobacco is Azadirachta indica.

Watch Video Solution

213. Observe the given diagram



Name 1,2 parts given in the diagram. Explain why the diameter of blood vessel 2 is more than that of blood vessel 1.

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214. Draw a diagram of excretory system in human beings. Label the parts

Watch Video Solution

215. Name the alkaloids which are harmful to us.

Watch Video Solution

216. Prepare four questions to find the reasons for obstructions in excretory system.

Watch Video Solution

217. Explain the terms dialysis and electrodlysis.

Watch Video Solution

218. In what situations will kidney transplantation be done?

Watch Video Solution

219. What are the materials present in urine?

Watch Video Solution

220. Write the materials present in the serum or plasma in a tabular form.

Watch Video Solution

221. Write the different ways of excretion in different organisms in a tabular form.

Watch Video Solution

222. Describe the structure of kidneys.

Watch Video Solution

223. Describe the structure of kidneys.

Watch Video Solution

224. Write about excretion in unicellular organism?

Watch Video Solution

225. Write a short note on excretion in multicellular organisms.

Watch Video Solution

226. Explain the formation of urine in a flow chart

Watch Video Solution

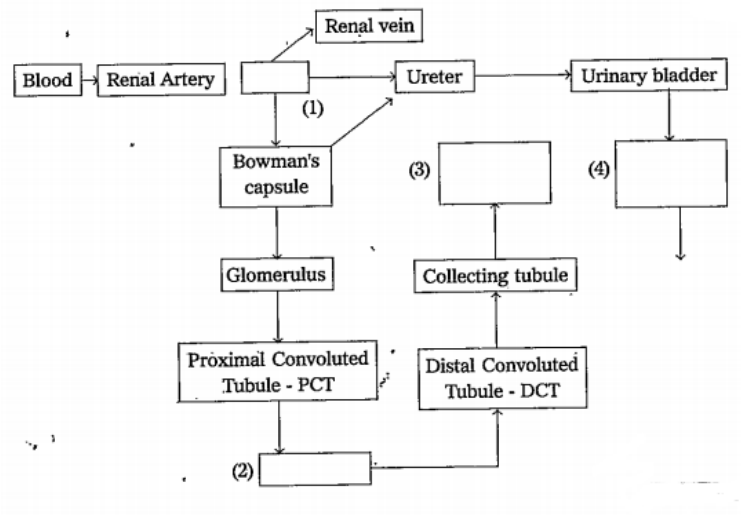
227. Excreting wastes from the human body not only by kidneys but also by other organs help. How do you support it.

Watch Video Solution

228. not Only the food of plants but also their wastes are useful to us. What evidences do you give for it?

Watch Video Solution

229. Observe the below flow chart. Fill the boxes. Explain to which system this belongs to.



Watch Video Solution

230. Draw the diagram of nephron. Recognize the parts of glomerulus and tubular

reabsorption. Write how those actions take place.

Watch Video Solution

231. Draw the structure of an excretory organ, Which contains Bowman's capsule and lood of Henle and label it.

Watch Video Solution

232. Write an eassy stating the advantages of by - products of plants In our real life.

Watch Video Solution

233. What are secondary metabolites ?

Watch Video Solution

234. Volume of the blood filtered by the kidneys per minute is

Watch Video Solution

235. Which plants can you get in your village ? Among these by products of which plants do you use in your real life?

Watch Video Solution

236. Describe the process of dialysis in man with a neatly labelled diagram.

Watch Video Solution

237. Describe the structure of Renal tubule with neatly labelled diagram. Draw a diagram of a nephron and explain its structure.

Watch Video Solution

238. Analyse the following information and answer the questions.

Alkaloid	Part of the plant	Uses
Quinine	Bark	Anti malarial drug.
Nicotine	Leaves	Insecticide
Morphine, Cocaine	Fruits	Pain killer
Caffeine	Seeds	Central Nervous System stimulant.
Pyrethroids	Flowers	Insecticides
Scopolamine	Fruits, flowers	Sedative

Which parts of the plants are used as alkaloids ?

Watch Video Solution

239. Name the alkaloids which are harmful to us.

Watch Video Solution

240. Analyse the following information and answer the questions.

Alkaloid	Part of the plant	Uses
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Nicotine	Leaves	Insecticide
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Caffeine	Seeds	Central Nervous System stimulant.
Pyrethroids	Flowers	Insecticides
Scopolamine	Fruits, flowers	Sedative

Name the parts of the plant from which we get alkaloids used as sedative.

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241. Name the alkaloid which is used as medicine to cure malaria.

Watch Video Solution

242. Draw the diagram of Longitudinal Section of Kidney. Write the color of cortex and medullar region. Write the functions of nephron which are in million number.

Watch Video Solution

243. Write an eassy stating the advantages of by - products of plants In our real life.

Watch Video Solution

244. How can you say that kidney is suitable for filtration of biological waste from blood in man ?

Watch Video Solution

245. What is the structural and functional unit of a kidney ?

Watch Video Solution

246. What is the principle involved in dialysis?

Watch Video Solution

247.

Sl. No.	Test	Present level	Normal range
		A. Blood Test	
1.	Blood Pressure (BP)	160 / 90 mm/Hg	120 / 80 mm/Hg
2.	Glucose (Before food)	120 mg/dl	60 - 100 mg/dl
3.	Glucose (After food)	220 mg/dl	160 - 180 mg/dl
4.	Bilirubin	1.0 mg/dl	0.1 - 0.8 mg/dl
		B. Urine Test	
1.	24 hrs protein	150 mg/day	100 mg/day
2.	Sodium	140 m mol/l	125-250 m mol/l

(A) Which test is required to know bilirubin?

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248.

Sl. No.	Test	Present level	Normal range
		A. Blood Test	
1.	Blood Pressure (BP)	160 / 90 mm/Hg	120 / 80 mm/Hg
2.	Glucose (Before food)	120 mg/dl	60 - 100 mg/dl
3.	Glucose (After food)	220 mg/dl	160 - 180 mg/dl
4.	Bilirubin	1.0 mg/dl	0.1 - 0.8 mg/dl
		B. Urine Test	
1.	24 hrs protein	150 mg/day	100 mg/day
2.	Sodium	140 m mol/l	125-250 m mol/l

(B) How the sugar disease is confirmed?

Watch Video Solution

249.

By observing the above report, what would be the other problems faced by that patient?

Watch Video Solution

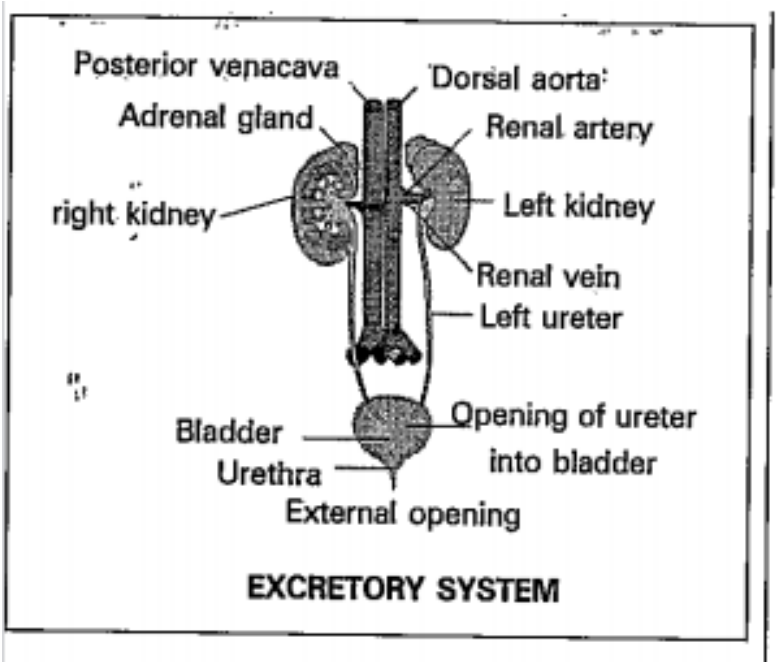
250.

Sl. No.	Test	Present level	Normal range
		A. Blood Test	
1.	Blood Pressure (BP)	160 / 90 mm/Hg	120 / 80 mm/Hg
2.	Glucose (Before food)	120 mg/dl	60 - 100 mg/dl
3.	Glucose (After food)	220 mg/dl	160 - 180 mg/dl
4.	Bilirubin	1.0 mg/dl	0.1 - 0.8 mg/dl
		B. Urine Test	
1.	24 hrs protein	150 mg/day	100 mg/day
2.	Sodium	140 m mol/l	125-250 m mol/l

(D) What are the organs affected by these problems?

Watch Video Solution

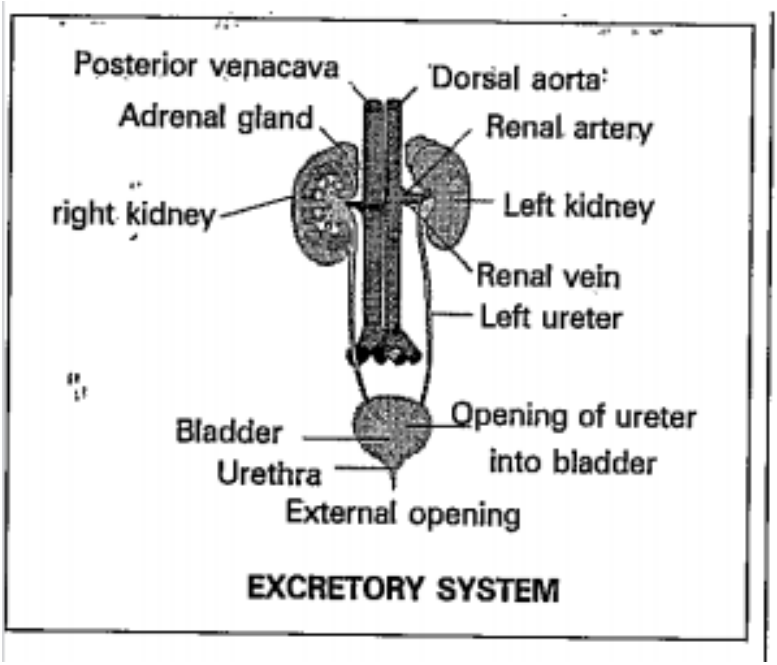
251. Observe the diagram and answer the following question.



1. What is the main function of excretory system?

Watch Video Solution

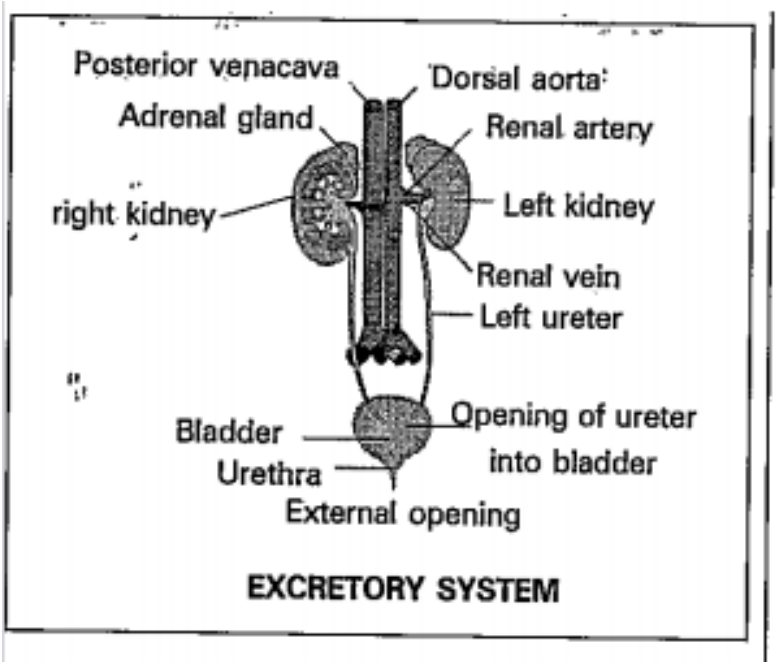
252. Observe the diagram and answer the following question.



2. What are the excretory organs?

Watch Video Solution

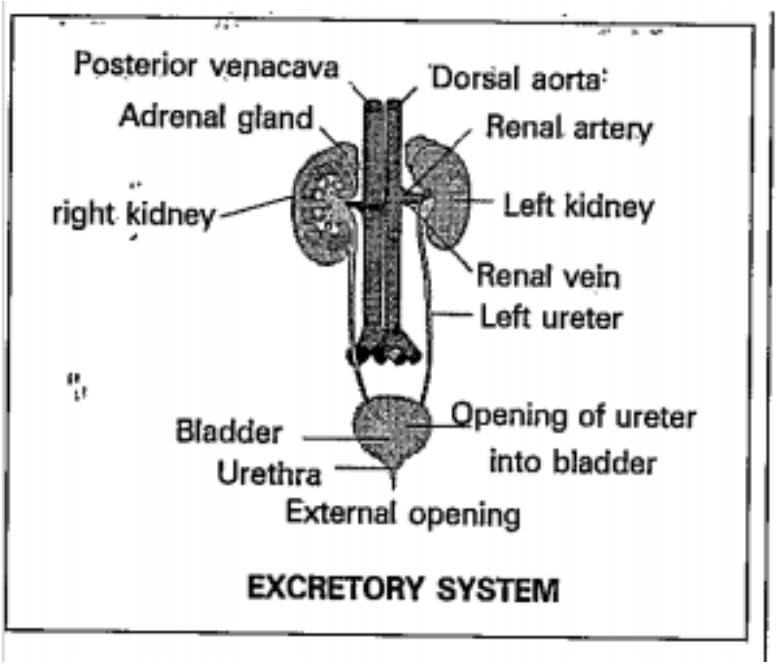
253. Observe the diagram and answer the following question.



3. What is the function of Urinary bladder.

Watch Video Solution

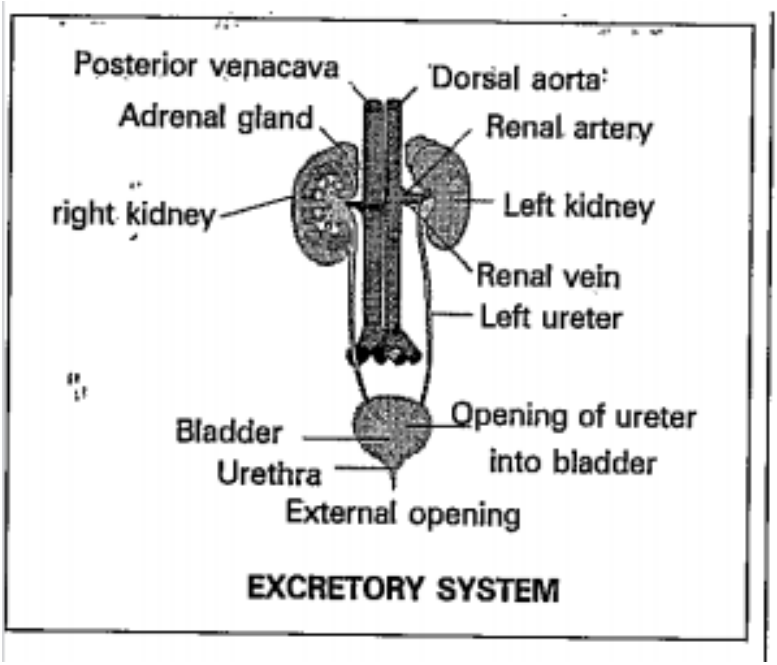
254. Observe the diagram and answer the following question.



4. What are the glands present on kidneys?

Watch Video Solution

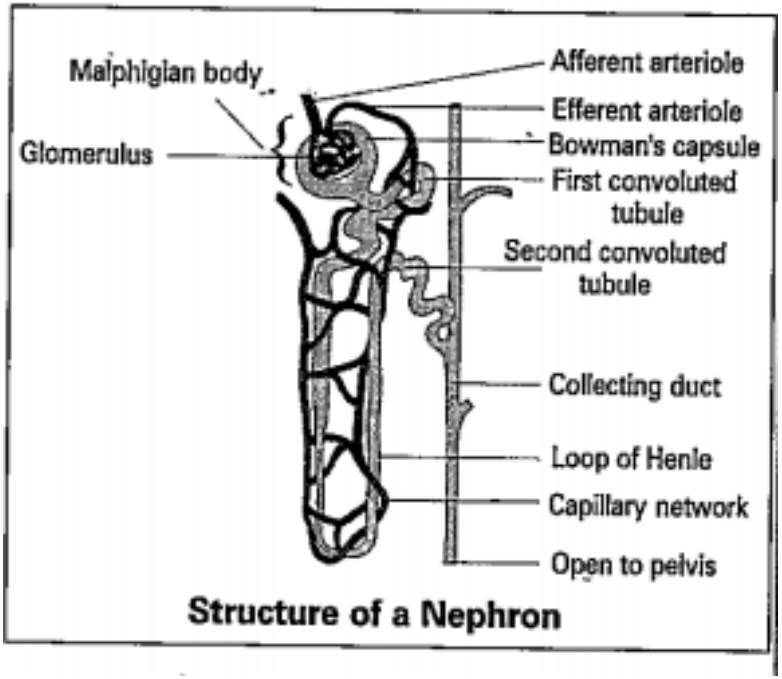
255. Observe the diagram and answer the following question.



5.From which part ureters are arrived?

Watch Video Solution

256. Observe the diagram and answer the following questions.

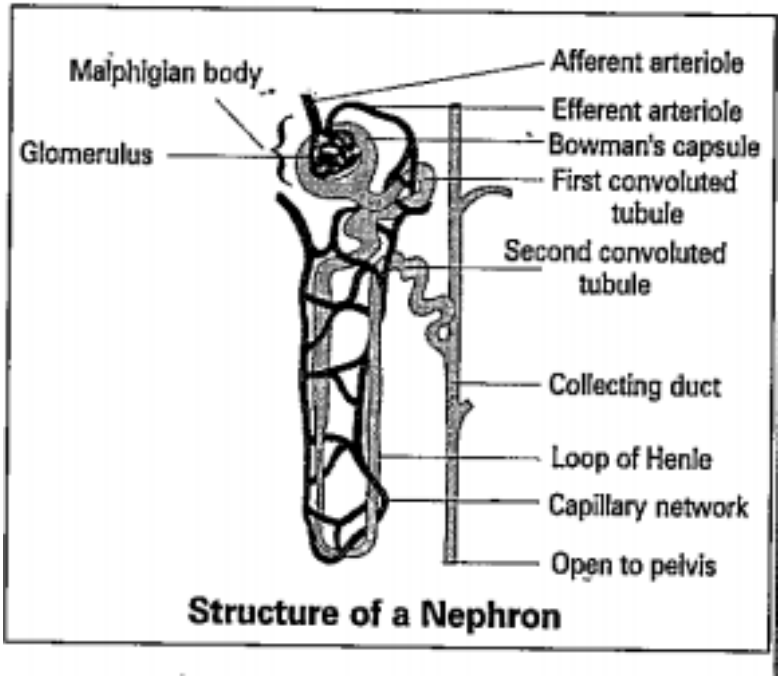


Structure of a Nephron

1. What is the structural and functional unit of kidneys?

Watch Video Solution

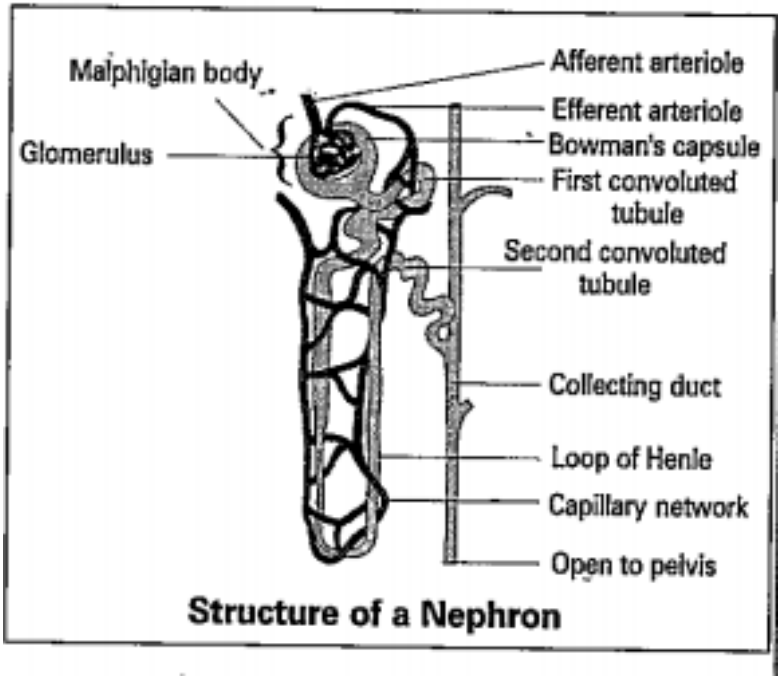
257. Observe the diagram and answer the following questions.



2. What is the function of Bowman's capsule?

Watch Video Solution

258. Observe the diagram and answer the following questions.

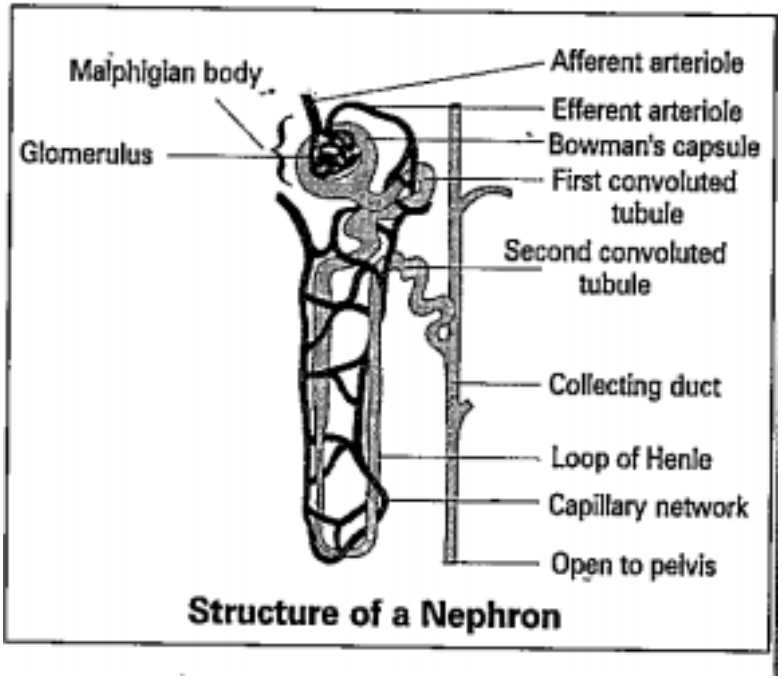


Structure of a Nephron

3. Mention the name of Hairpin like structures.

Watch Video Solution

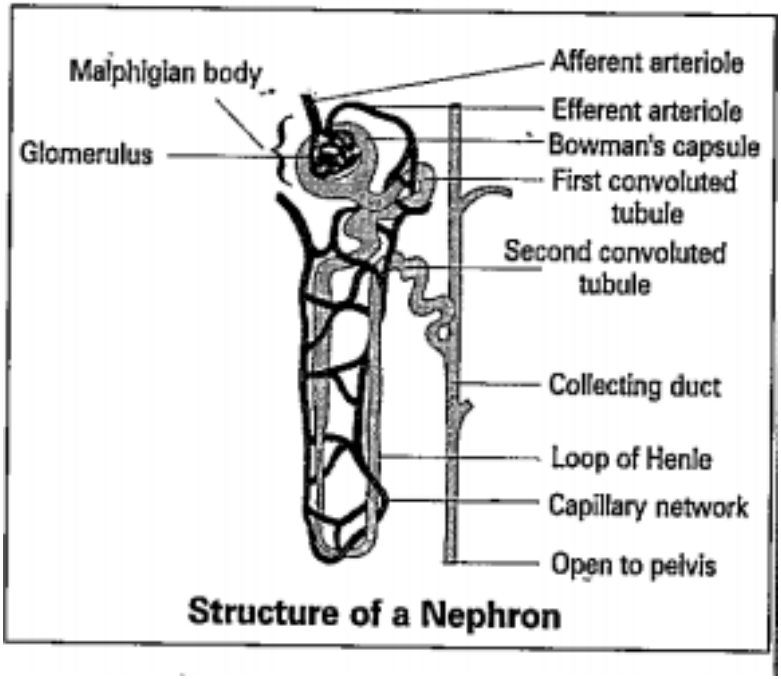
259. Observe the diagram and answer the following questions.



4. What is meant by peritubular capalleries?

Watch Video Solution

260. Observe the diagram and answer the following questions.

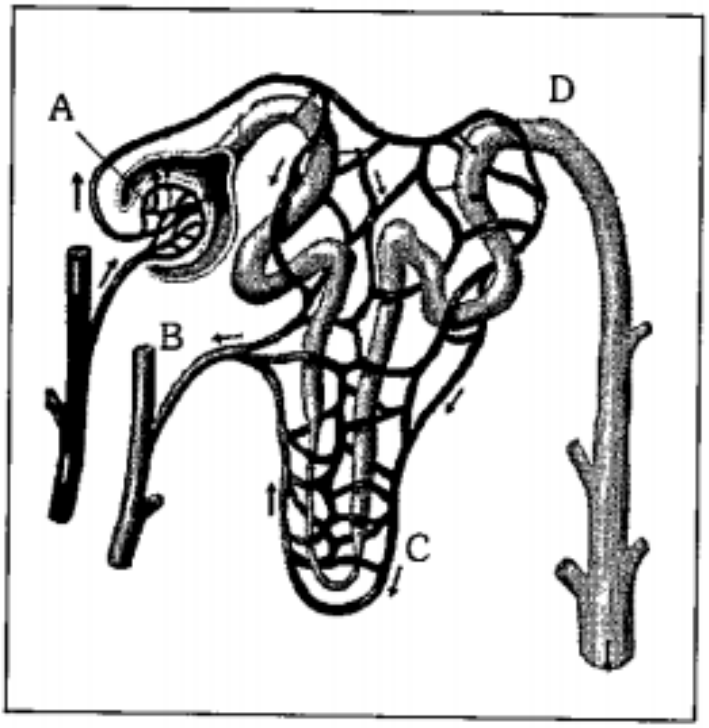


Structure of a Nephron

5. What are the blood vessels enter into capsule?

Watch Video Solution

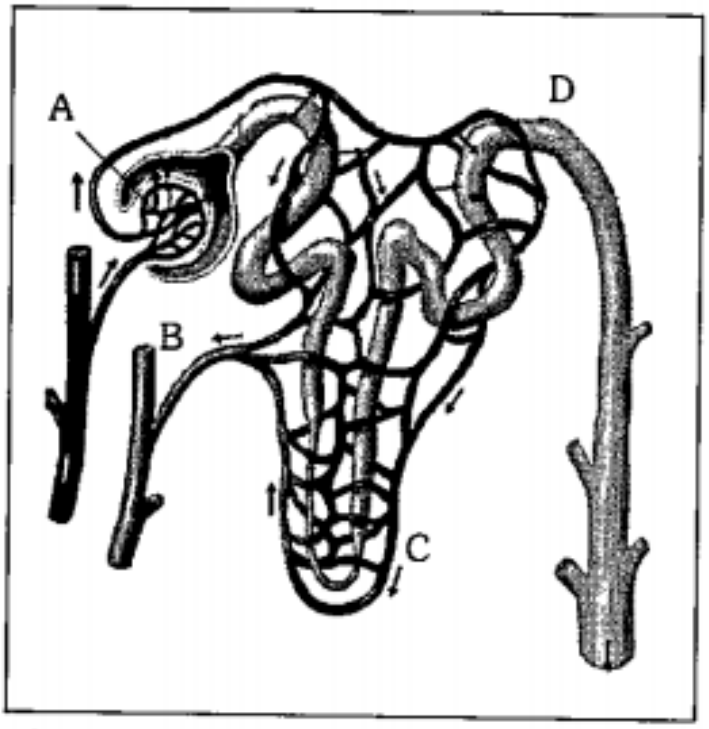
261. Observe the diagram and answer the questions.



1.Which body system the diagram relates to

Watch Video Solution

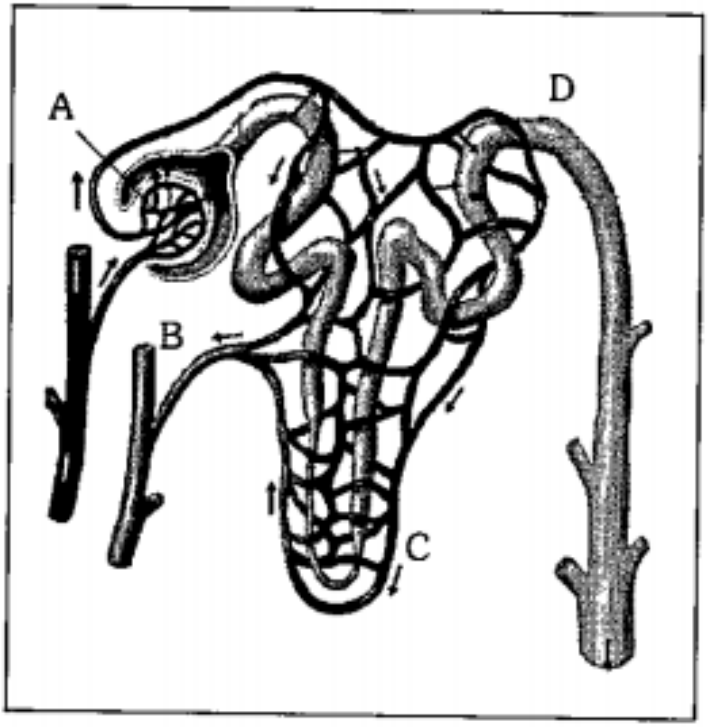
262. Observe the diagram and answer the questions.



2. Name the part of C and D.

Watch Video Solution

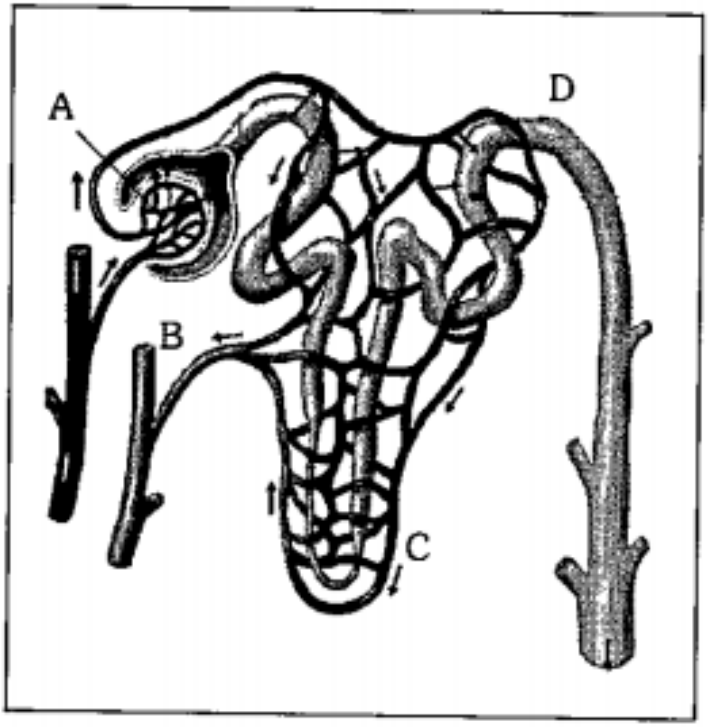
263. Observe the diagram and answer the questions.



3. What is the combine name of B and A

Watch Video Solution

264. Observe the diagram and answer the questions.



4. Name the B and what is the process takes place.

Watch Video Solution

265. Read the table and answer the following queations.

Alkaloid	Plant	Part	Uses
Morphine	Papaver somniferum	Fruit	Pain killer
Caffeine	Coffee plant	Seed	Stimulant
Reserpine	Snake root	Root, bark	Snake bite
Scopalamine	Datura stramonium	Fruit, flower	Sedative
Pyrethroids	Tridax	Flower	Insecticides
Nimbin	Neem	Leaves	Antiseptic
Quinine	Cinchona officinalis	Bark	Antimalarial drug
Nicotine	Tobacco	Leaves	Insecticide

1. What Is the scientific name for neem plant.

Watch Video Solution

266. Read the table and answer the following queations.

Alkaloid	Plant	Part	Uses
Morphine	Papaver somniferum	Fruit	Pain killer
Caffeine	Coffee plant	Seed	Stimulant
Reserpine	Snake root	Root, bark	Snake bite
Scopalamine	Datura stramonium	Fruit, flower	Sedative
Pyrethroids	Tridax	Flower	Insecticides
Nimbin	Neem	Leaves	Antiseptic
Quinine	Cinchona officinalis	Bark	Antimalarial drug
Nicotine	Tobacco	Leaves	Insecticide

2. Name the plant in which alkaloids are present in leaves.

Watch Video Solution

267. Read the table and answer the following queations.

Alkaloid	Plant	Part	Uses
Morphine	Papaver somniferum	Fruit	Pain killer
Caffeine	Coffee plant	Seed	Stimulant
Reserpine	Snake root	Root, bark	Snake bite
Scopalamine	Datura stramonium	Fruit, flower	Sedative
Pyrethroids	Tridax	Flower	Insecticides
Nimbin	Neem	Leaves	Antiseptic
Quinine	Cinchona officinalis	Bark	Antimalarial drug
Nicotine	Tobacco	Leaves	Insecticide

3. Which alkaloid is used as nervous stimulant?

Watch Video Solution

268. Read the table and answer the following queations.

Alkaloid	Plant	Part	Uses
Morphine	Papaver somniferum	Fruit	Pain killer
Caffeine	Coffee plant	Seed	Stimulant
Reserpine	Snake root	Root, bark	Snake bite
Scopalamine	Datura stramonium	Fruit, flower	Sedative
Pyrethroids	Tridax	Flower	Insecticides
Nimbin	Neem	Leaves	Antiseptic
Quinine	Cinchona officinalis	Bark	Antimalarial drug
Nicotine	Tobacco	Leaves	Insecticide

4. Name the alkaloid which is from rouwolfia.

Watch Video Solution

269. Read the table and answer the following queations.

Alkaloid	Plant	Part	Uses
Morphine	Papaver somniferum	Fruit	Pain killer
Caffeine	Coffee plant	Seed	Stimulant
Reserpine	Snake root	Root, bark	Snake bite
Scopalamine	Datura stramonium	Fruit, flower	Sedative
Pyrethroids	Tridax	Flower	Insecticides
Nimbin	Neem	Leaves	Antiseptic
Quinine	Cinchona officinalis	Bark	Antimalarial drug
Nicotine	Tobacco	Leaves	Insecticide

5. What type of products is there alkaloids?

Watch Video Solution

270. Read the table and answer the following.

Name the organisms	Excretory system
Protozoa	Simple diffusion
Porifera	water bathes
Platyhelminthes	Flame cells
Arthropods	Greenglands, Malphigian Tubules
Mollusca	Metanephridia
Echinodermata	Water vascular system

1. Name the excretory organs in protozones.

Watch Video Solution

271. Read the table and answer the following.

Name the organisms	Excretory system
Protozoa	Simple diffusion
Porifera	water bathes
Platyhelminthes	Flame cells
Arthropods	Greenglands, Malphigian Tubules
Mollusca	Metanephridia
Echinodermata	Water vascular system

2. in cockroach what are the excretory organ?

Watch Video Solution

272. Read the table and answer the following.

Name the organisms	Excretory system
Protozoa	Simple diffusion
Porifera	water bathes
Platyhelminthes	Flame cells
Arthropods	Greenglands, Malphigian Tubules
Mollusca	Metanephridia
Echinodermata	Water vascular system

3. In sea cucumber what are the excretory organs?

Watch Video Solution

273. Read the table and answer the following.

Name the organisms	Excretory system
Protozoa	Simple diffusion
Porifera	water bathes
Platyhelminthes	Flame cells
Arthropods	Greenglands, Malphigian Tubules
Mollusca	Metanephridia
Echinodermata	Water vascular system

4. In which animals flame cells are the excretory organs?

Watch Video Solution

Exercise

1. Earthworm excretes its waste material through ..... .

Watch Video Solution

2. The dark coloured outer zone of kidney is called ..... .

Watch Video Solution

3. The process of control of water balance and ion concentration within organism is called ..... .

Watch Video Solution

4. Reabsorption of useful product takes place in ..... part of nephron.

Watch Video Solution

5. Gums and resins are the ..... products of the plants.

Watch Video Solution

6. Bowman's capsule and tubule taken together make a ..... .

Watch Video Solution

7. The alkaloid used for malaria treatment is ..... .

Watch Video Solution

8. What is the principle involved in dialysis?

Watch Video Solution

9. Rubber is produced from ..... of Heavea braziliensis .

Watch Video Solution

10. Who performed the first kidney transplantation?

Watch Video Solution

11. The structural and functional unit of human kidney is called .....

A. Neuron

B. Nephron

C. Nephridia

D. Flame cell

Answer:

Watch Video Solution

12. The excretory organ in cockroach

A. Malphighian tubules

B. raphids

C. ureters

D. nephridia

Answer:

Watch Video Solution

13. Which of the following is the correct path taken by urine in Q,lV body ?

A. Kidney,Urethra,Ureters,Bladder

B. Kidney,Ureters, Bladder, Urethra

C. Kidney, Bladder Ureters, Urethra

D. Kidney,Urethra, Bladder, Ureters,

Answer:

Watch Video Solution

14. Malpighian tubules are excretory organs in

A. earthworm

B. housefly

C. flatworm

D. hen

Answer:

Watch Video Solution

15. Major component of urine is

A. urea

B. sodium

C. water

D. creatine

Answer:

Watch Video Solution

16. Special excretory organs are absent in

A. Birds

B. amoeba

C. sponges

D. A and B

Answer:

Watch Video Solution

17. Which of the following hormones has direct impact on urination ?

A. adrenal

B. vasopressin

C. testosterone

D. eastrogen

Answer:

Watch Video Solution

18. Amber colour to urine due to

A. Bilirubin

B. Urochrom

C. Urea

D. Chloride

Answer:

Watch Video Solution

19. Sequence of urine formation. in nephron is

A. Glomerular fileration $\rightarrow$ tubular absorption $\rightarrow$ tubular secretion

B. Tubular reabsorption $\rightarrow$ tubular secretion $\rightarrow$ glomerular filtration

C. Tubular secretion $\rightarrow$ glomerular filteration $\rightarrow$ tubular reabsorption

D. Tubular reabsorption $\rightarrow$ concentration of urine $\rightarrow$ tubular secretion

Answer:

Watch Video Solution

20. Part of the nephron that exists in outer zone of ~dney

A. Loop of the Henle

B. PCT

C. DCT

D. Browman's capsule

Answer:

Watch Video Solution

21. After having lunch or dinner one can feel to pass urine, because of

A. Stomach pressure on bladder

B. Solids become liquids

C. Water content in food material

D. Sphincter relaxation

Answer:

Watch Video Solution

22. Each kidney is made up of how many nephrons ?

A. one

B. two

C. three

D. none

Answer:

Watch Video Solution

23. The building unit of all proteins are

A. metabolism

B. catabolism

C. anabolism

D. both A and B

Answer:

Watch Video Solution

24. Name the dark coloured outer zone of the kidney.

A. Concave

B. convex

C. Square

D. round

Answer:

Watch Video Solution

25. Peritubular capillaries are formed from

A. efferent arteriole

B. afferent arteriole

C. both A and B

D. none

Answer:

Watch Video Solution

26. Where does reabsorption of water takes place in excretion?

A. DCT

B. PCT

C. Henley's loop

D. All

Answer:

Watch Video Solution

27. Absence of the following hormome produces dilute urine

A. insulin

B. vasopressin

C. Thyroxine

D. None

Answer:

Watch Video Solution

28. Urethra is guarded by

A. Sphincter

B. valve

C. membrane

D. all

Answer:

Watch Video Solution

29. Taking of ..... Rich diet results more urea in urine

A. Carbohydrates

B. proteins

C. fats

D. vitamins

Answer:

Watch Video Solution

30. These are absent in dialyzing fluid

A. Glucose

B. Amino acids

C. Water

D. Nitrogenous waste

Answer:

Watch Video Solution

31. What is the lime required to complete one haemodialysis session ?

A. 2 to 3 hours

B. 3 to 4 hours

C. 3 to 6 hours

D. 5 hours

Answer:

Watch Video Solution

32. Carbondioxide and water are removed from

A. lungs

B. skin

C. kidney

D. intestine

Answer:

Watch Video Solution

33. Excretory organs in birds

A. Flsme cells

B. Nephridia

C. Vacuole

D. Kidney

Answer:

Watch Video Solution

34. Plants get rid of water thorugh the process

A. Transportation

B. Transpiration

C. both A and B

D. none

Answer:

Watch Video Solution

35. In plants waste products are stored in

A. Leaves

B. Bark

C. Fruit

D. All the above

Answer:

Watch Video Solution

36. Alkaloid present in plant part in nimbin is

A. Seeds

B. Bark

C. Leaves

D. All

Answer:

Watch Video Solution

37. Papaver somniferum is the scientific name of

A. Morphine

B. Reserrpine

C. Caffeine

D. Nimbin

Answer:

Watch Video Solution

38. Which compound of chromium is widely used in tanning of leather

A. Alkaloids

B. Tannins

C. Resin

D. Gums

Answer:

Watch Video Solution

39. Latex, resins, gums are formed due to

A. excretion

B. respiration

C. secretion

D. circulation

Answer:

Watch Video Solution

40. Formation of urine involves.....stage

A. 2

B. 3

C. 4

D. 5

Answer:

Watch Video Solution

41. Give reasons.

Always vasopressin is not secreted.

A. Adrenalin

B. Pitutary

C. Thyroid

D. none

Answer:

Watch Video Solution

42. In which animals excretion takes place by diffusion?

A. earthworm

B. scorpion

C. Amoeba

D. leech

Answer:

Watch Video Solution

43. Bio- diesel is obtained from the seeds of ?

A. Jatropa

B. Pinus

C. Gums

D. Latex

Answer:

Watch Video Solution

44. Give two examples for secondary metabolites.

A. Alkaloids

B. Tannins

C. Resin

D. All the above

Answer:

Watch Video Solution

45. What are the excretory organs of Nematodes?

A. Green glands

B. Flame cells

C. Metanephridia

D. Malphigian tubules

Answer:

Watch Video Solution

46. What are the excretory organs of phylum mollu$Ca ?

A. Green glands

B. Flame cells

C. Meganephridia

D. Malphigian tubules

Answer:

Watch Video Solution

47. Name the alkaloid which is used as medicine to cure malaria.

A. Quinine

B. Reserpine

C. Nimbin

D. Scopolamine

Answer:

Watch Video Solution

48. Resin passage are present in

A. Pinus

B. Acacia

C. Neem

D. Cassia

Answer:

Watch Video Solution

49. Name the alkaloid that acts as stimulant of central nervous system.

A. Caffeine

B. Morphin

C. Nicotine

D. Nimbin

Answer:

Watch Video Solution

50. Rubber is produced from ..... of Heavea braziliensis .

A. Tannins

B. Resins

C. Gums

D. Latex

Answer:

Watch Video Solution

51. Excretory organs are first appear in

A. Nematodes

B. Platyhelmenthis

C. Aves

D. Reptiles

Answer:

Watch Video Solution

52. Who performed the first kidney transplantation?

A. Dr. Charles Hufnagel

B. William Johan Koff

C. C.B Van Neil

D. Joesph Priestley

Answer:

53. This organ also involved in urea formation

A. Lungs

B. Liver

C. Stomach

D. Colon

Answer:

Watch Video Solution

54. Urine has amber colour due to presence of

A. Urochrome

B. Creatine

C. Creatinine

D. Iodine

Answer:

Watch Video Solution

55. Blood flows from renal artery to glomerulus through

A. efferent arteriole

B. Renal Vein

C. Afferent arteriole

D. None

Answer:

Watch Video Solution

56. Blood flows inside the glomerulus under the influence of pressure due to the

A. Broader diameter of the efferent arteriole

B. Broader diameter of the afferent arteriole

C. Narrowness of afferent artriole

D. Narrowness of efferent arteriole

Answer:

Watch Video Solution

57. Which of the following would lead to increase urine production?

A. Increased activity levelsd

B. Increased body temperature

C. Decreased water consumption

D. Increased water consumption

Answer:

Watch Video Solution

58. All the parts of the renal tubule are covered by a network of pertitubular capillaries formed from

A. Afferent arterioile

B. Efferent arteriole

C. Renal artery artery

D. Renal vein

Answer:

Watch Video Solution

59. The principle involved in dialysis is ..... .

A. dialyzer

B. filter

C. artificial kidney

D. none

Answer:

Watch Video Solution

60. Name the endocrine gland which is present on the kidneys.

A. Thyroid

B. Pancreas

C. Adrenal gland

D. Pitutary gland

Answer:

Watch Video Solution

61. Name the alkaloid that is used as medicine for snake bite.

A. Reserpine

B. Quinine

C. Coffeine

D. Scopolamine

Answer:

Watch Video Solution

62. Special excretory organs are absent in

A. Bird

B. amoeba

C. sponges

D. B and C

Answer:

Watch Video Solution

63. A person's. limbs are swollen and he is suffering from weakness and fatigue Guess, which organs might bedamaged in him.

A. Kidney

B. Brain

C. Heart

D. Liver

Answer:

Watch Video Solution

64. Match the following.

List – A	List – B
1. Protozoa	a) Contractile vacuole
2. Arthropoda	b) Malpighian tubule
3. Mollusca	c) Metanephridia

A. 1-a,2-c,3-b

B. 1-a,2-b,3-c

C. 2-a,1-c,3-b

D. 3-a,2-c,1-b

Answer:

Watch Video Solution

65. The oxygenated blood enters into kidneys through..... (i) and .....(ii) collects the deoxygenated blood

A. (i) Renal vein (ii) Renal artery

B. (i) Renal artery (ii) Renal vein

C. (i) Hilus (ii) Renal vein

D. (i) Renal artery (ii) Hilus

Answer:

Watch Video Solution

66. Special excretory organs are absent in

A. Bird

B. Amoeba

C. sponges

D. B and C

Answer:

Watch Video Solution

67. A person's. limbs are swollen and he is suffering from weakness and fatigue Guess, which organs might bedamaged in him.

A. Kidney

B. Brain

C. Heart

D. Liver

Answer:

Watch Video Solution

68. Vicky's brother is a regular bed wetter? What might be the reason for that?

A. Less production of Adrenaline

B. More production of Vasopressin

C. No production of Adrenaline

D. Vasopression not all release

Answer:

Watch Video Solution

69. How can you identify the waste materials in blood ?

A. throguh scanning

B. through urine test

C. using thermometer

D. through blood test

Answer:

Watch Video Solution

70. Special excretory organs are absent in

A. (I) and (ii)

B. (ii) and (iii)

C. (iii) and (iv)

D. (i),(ii) , (iii) and (iv)

Answer:

Watch Video Solution

71. Read the following statements.

Assertion (A): Right kidney is slightly lower in position

Reason R) : Right abdominal region of body is occupied by liver.

A. Both A and R true and R is the correct explanation of A

B. Both A and R are true but R is NOT the correct explanation of A

C. A is true but R is false

D. Both A nd R are false

Answer:

Watch Video Solution

72. What is the reason for edema?

A. Movement of body from the seat in between

B. Sleep without moving

C. Eat more food

D. Drink more water

Answer:

Watch Video Solution

73. Bowman's Capsule + Glomerulus=.....

A. Malphigian body

B. Nephron

C. Loop of Henle

D. Pyramid

Answer:

Watch Video Solution

74. One of the following statements is correct

A. Dialysis is correct

B. Hemodialysis is correct

C. Both Dialysis and hemodylisis work together

D. A and B don't relate with kidney

Answer:

Watch Video Solution

75. Match the following.

List - A	List - B
1. Flame cells	a) Nematada
2. Water vascular system	b) Arthropoda
3. Green glands	c) Starfish

A. 1-c,2-b,3-a

B. 1-b,2-c,3-a

C. 1-a,2-b,3-c

D. 1-a,2-c,3-b

Answer:

Watch Video Solution

76. What is the excretory organs of starfish?

A. Protozoa

B. Platyhelminthes

C. Nemety helminthes

D. Both B and C

Answer:

Watch Video Solution

77. Why do plants shed their leaves and bark periodically ?

A. To bloom

B. Unable to cope up with heat

C. T reduce the water loss

D. To grow and develop

Answer:

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78. The word Excretion belongs to..... Language

A. Greek

B. English

C. Chinese

D. Latin

Answer:

Watch Video Solution

79. The maintenance of equilibrium of concentration of liquids is

A. Homosapien

B. Stabiity

C. Homeostasis

D. Control

Answer:

Watch Video Solution

80. Choose the correct statement

A. one pair of kidneys, one pair of ureters, urinary bladder

B. One pair of urinary bladder, one pair or ureters, Kidney

C. One pair of kidneys, One pair of urinary bladder, uretra

D. One pair of ureters, one pair of kidneys, ureter

Answer:

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81. Which of the following is correct regarding the filtration of waste in blood diameter?

A. Diameter of efferent arteriole Is less than that of afferent arteriole

B. Diameter of efferent arteriole is more than that of afferent arteriole

C. Blood vessels have the pores and conduct the filtration.

D. Blood vessels excrete the waste by contraction

Answer:

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82. Choose the correct order from the following:

A. Renal tubule $\rightarrow$ Distal convoulated tubule $\rightarrow$ collecting tube $\rightarrow$ Pelvis $\rightarrow$ Ureter

B. Ureter $\rightarrow$ Pelvis $\rightarrow$ collecting tube $\rightarrow$ renal tubule $\rightarrow$ Distal convoulated tubule.

C. Distal convoulated tubule $\rightarrow$ collecting tube $\rightarrow$ Pelvis $\rightarrow$ Ureter $\rightarrow$ Renal tubule

D. Pelvis $\rightarrow$ Ureter $\rightarrow$ Collecting tube $\rightarrow$ Renal tubule $\rightarrow$ Distal convoulated tubule

Answer:

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83. One of the following is a correct compostion of urine

A.

	Water	Organic Compounds	Inorganic Substances
A)	90%	0.25%	9.75%
B)	85%	10%	5%
C)	96%	2.5%	1.5%
D)	96%	3%	1%

B.

	Water	Organic Compounds	Inorganic Substances
A)	90%	0.25%	9.75%
B)	85%	10%	5%
C)	96%	2.5%	1.5%
D)	96%	3%	1%

C.

	Water	Organic Compounds	Inorganic Substances
A)	90%	0.25%	9.75%
B)	85%	10%	5%
C)	96%	2.5%	1.5%
D)	96%	3%	1%

D.

	Water	Organic Compounds	Inorganic Substances
A)	90%	0.25%	9.75%
B)	85%	10%	5%
C)	96%	2.5%	1.5%
D)	96%	3%	1%

Answer:

84. Contractile vacuole is important for excretion in

A. Amoeba

B. Hydra

C. Paramecium

D. A and C

Answer:

Watch Video Solution

85. Excretory organs in platyhelmenthes

A. Green glands

B. Elccial glands

C. Flame cells

D. Kidneys

Answer:

Watch Video Solution

86. The white milky fluid secreted from the plants

A. Latex

B. Tannins

C. Gums

D. Resins

Answer:

Watch Video Solution

87. Tears are.....

A. Involutatry fluid

B. Secretion

C. Excretion

D. Water

Answer:

Watch Video Solution

88. This hormone is in gas form

A. Reagent

B. Secretion

C. Excretion

D. Chemical substancce

Answer:

Watch Video Solution

89. Way of passage of urine in human body

A. Kidneys

B. Ureters

C. Urethra

D. Urinary bladder

Answer:

Watch Video Solution

90. The faliure of the kidney is called.....

A. ESRD

B. MSRD

C. ASRD

D. KSRD

Answer:

Watch Video Solution

91. The dark coloured outer zone of kidney is called ..... .

A. (i) - Medulla (ii) Cortex

B. (i) Cortex (ii) Nephron

C. (i) Nephron (ii) Medulla

D. (i) Cortex (ii) Medulla

Answer:

92. a) The urine gets concentrated by reabsorption of water.

b) Vasopressin is secreted only when concentrated urine is to be passed out

A. Both 'a' and 'b' are true

B. a' is false, 'b' is true

C. a' is true,'b' is false

D. Both 'a' and 'b' are false

Answer:

Watch Video Solution

93. The person A urinated less concentrated urine. The person B urinated high concentrated urine. The hormone controlling

this.....

a) insulin

b) vasopressin

c) Thyroxine

d) Adrenalin

A. a and b only

B. b only

C. c only

D. c and d

Answer:

Watch Video Solution

94. a) Podocytes are formed of epithelial tissue

b) Podocytes posses pores to filter the substances

A. both a and b are true

B. b is true, a is false

C. a is true, b is false

D. both a and b are false

Answer:

Watch Video Solution

95. The yellow colour of urine of the vertebrates is due to

A. I,ii

B. ii only

C. iii only

D. iii, iv

Answer:

Watch Video Solution

96. Give reasons.

When urine is discharged, in beginning it is acidic in nature later it becomes alkaline.

A. both a and b are true b explains a

B. both a and b are false b doesn't explain a

C. a is true b is false

D. a is false b is true

Answer:

Watch Video Solution

97. A woman 'S' Is in uremia stage. Therefore.....

(i) Legs and hands are swollen

(ii) Body is accumulated with water and wastes

(iii) Weakness and tiredness

(iv) No harm to kidneys

A. All are correct

B. Only (iv) is correct

C. only (iv) is wrong

D. None of the above

Answer:

Watch Video Solution

98. After the process of dialysis, the cleared blood is pumped back to the body through a vein by adding this

A. I,ii,iii

B. iii,iv

C. iii only

D. iv only

Answer:

Watch Video Solution

99. a) Synthesis of waste products in plants is very slow

b) Plant do not have specific excretory organs

A. both a and b are true

B. a is true, b is false

C. b is true, a is false

D. both a and b are false

Answer:

Watch Video Solution

100. a) It is not good for health while sleeping under the tree during night.

b) There is a chance of falling of branches.

A. both a and b are true b explains a

B. both a and b are true b doesn't explain a

C. a is true, b is false

D. a is false b is true

Answer:

Watch Video Solution

101. Some animals can't eat some parts of the plants. Because

a) They do not have taste

b)Wastes are stored in them

c) They have thorns

d) Animals don't prefer them for food

A. a,b are false

B. c,d are true

C. c,d are false

D. a,b are true

Answer:

Watch Video Solution

102. Tilak said, we can tan the leather with resins. What do you say

A. Yes, we can

B. No, we can't

C. We can do it with little change

D. Unable to say

Answer:

Watch Video Solution

103. From Heavea braziliensis.....(i) and.....

(ii) from bloddiesel will be extracted

A. (i) - Latex (ii) - Resin

B. (i)- Resin (ii) Cinchona

C. (i) - Rubber (ii) Jatropa

D. (i) - Jatropa (ii) -Latex

Answer:

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104. In which part of the nephron, primary urine is produced ?

A. a,b both are true

B. a true, b false

C. a false, b true

D. a,b both are false

Answer:

Watch Video Solution

105. Consider the following

a) Urethra is 4 cm long in females

b) Urethra is 20 cm in male

A. Both a and b are true

B. a is true, b is false

C. a is false, b is true

D. both a and b are false

Answer:

Watch Video Solution

106. Name the process through which plants get rid of excess water.

A. both a and B are true

B. a is true, b is false

C. a is false, b is true

D. both a and b are false

Answer:

Watch Video Solution

107. What are secondary metabolites ?

A. both a and b are true

B. a is true, b is false

C. a is false, b is true

D. both a and b are false

Answer:

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108.

24 hrs. Protein	90	mg/day	<100mg
24 hrs. Creatinine	2.7	mg/day	1 – 2
24 hrs. Calcium	305	mg/day	Up to 200

Based on the above table the volume of creatininie in the urine

A. lt 100 mg

B. 102 mg

C. 1-2 mg

D. 200 mg

Answer:

Watch Video Solution

109.

Sodium	140	m.mol/L	125-250
Potassium	50	m.mol/L	25-100
Osmolality (calculated)	180	m.mol/L	100-600

The volume of potassium at normal level in urine

A. 125 m.mol/L

B. 25-100 m.mol/L

C. 100-125 m.mol/L

D. 250-120 m.mol/L

Answer:

Watch Video Solution

110. Read the contents of the urine as per the information given in table

Glucose	65	mg/dl	50-80
Chlorides	128	m.mol/L	120-130
Urea	35	gm/day	20-30

The volume of urea per day present in the urine

A. 20-30 gm

B. 20-30 mg

C. 50-80 gm

D. 20-30 m.mol/L

Answer:

Watch Video Solution

111. Read the given table

Organism	Excretory system organs
Coelenterate	Water vascular system
Annetida	Nephridia
Birds	Kidney

Name the group organism that perform watervascular system other than coelenterate

A. Protozoa

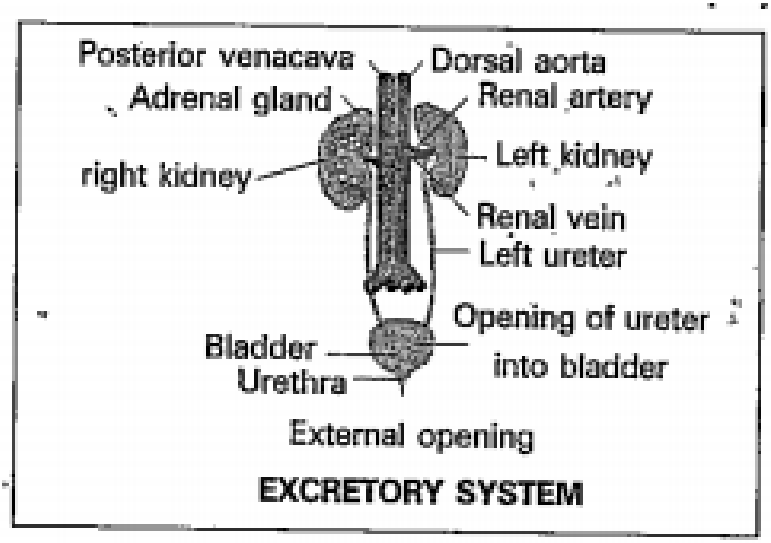
B. Porifera

C. Mollusca

D. Echinodermata

Answer:

112. Ramesh has forgot some parts in the following picture. Label a and b



A. a - pituatry gland, b - ureter

B. a - adrenal gland, b - uretar

C. a - uretar, b urethra

D. a - kidney, b - ureter

Answer:

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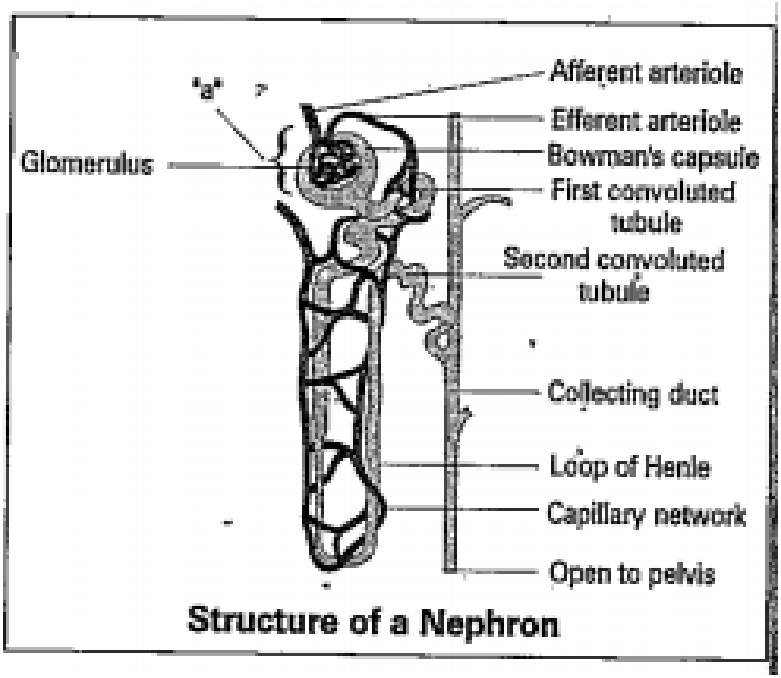
113. Label "a" part of nephron



A. Malphigian body

B. Harbey's body

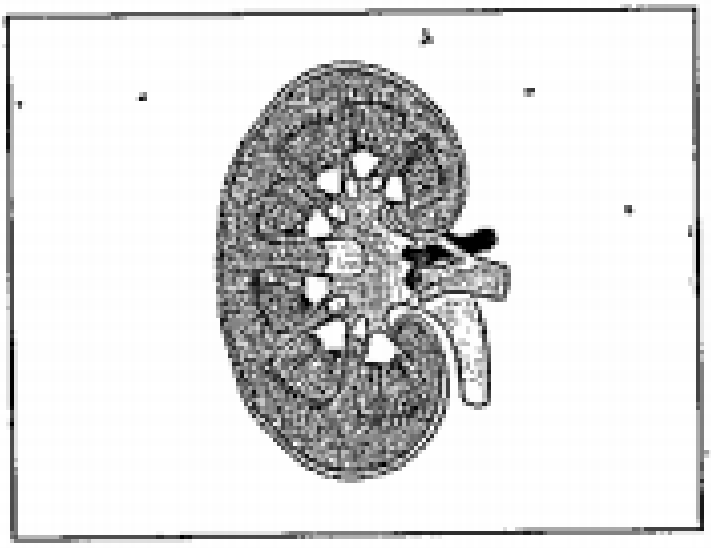
C. Glomerulus

D. Bowman's capsule

Answer:

Watch Video Solution

114. The follwing picture indicates.....



A. The external features of kidney

B. The internal feature of kidney

C. Left side of malphigian body

D. Left side of adrenal gland

Answer:

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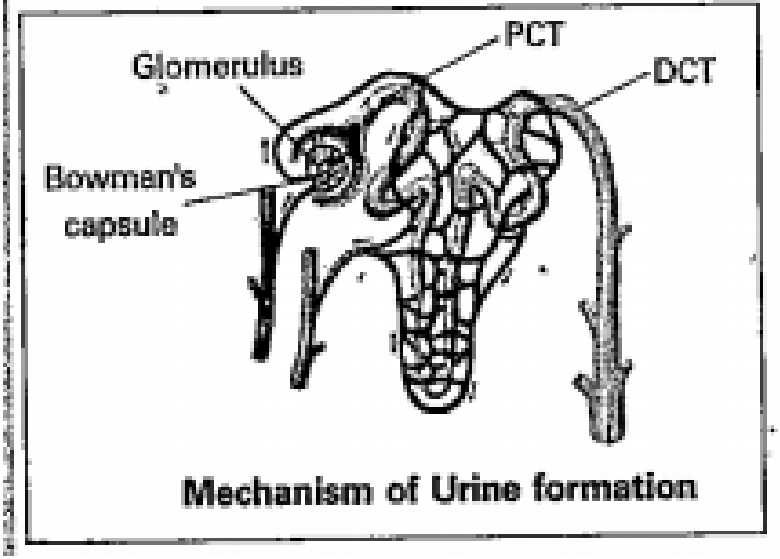
115. By seeing the follwing picture, identify where does the tubular reabsorption occur.



A. Glumerulus

B. DCT

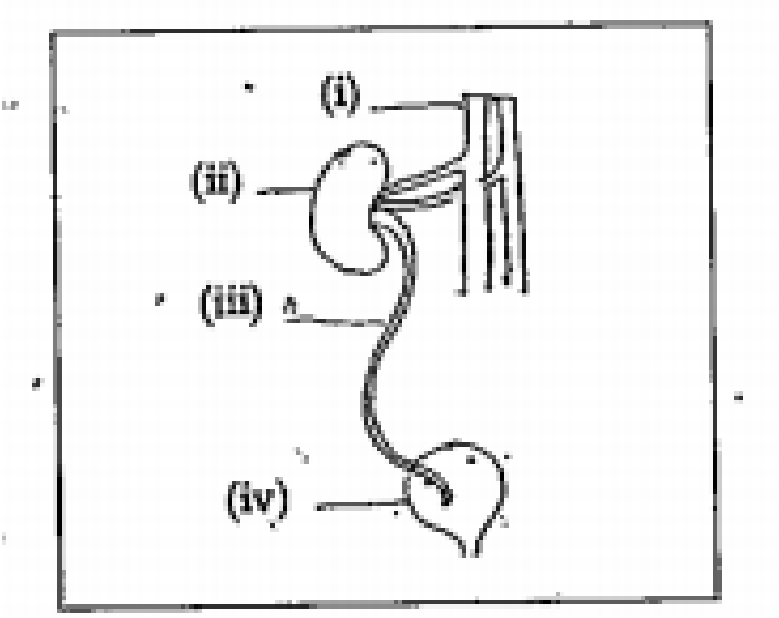
C. PCT

D. Bowman's capsule

Answer:

Watch Video Solution

116. The order of excretory organs



A. I - Blood vessel, ii - Kidney , iii - Ureter, iv - Urinary bladder

B. I - Kidney,ii - Blood vessel,iii Urinary bladder,iv - Ureter

C. I - Blood vessel, ii - Kidney,iii - Urinary bladder, iv - Ureter

D. I - Urinary bladder, ii - Ureter,iii - Kidney, iv - Blood vessel0

Answer:

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117. In what situations will kidney transplantation be done?

A. (i) Only

B. (i) and (ii) only

C. (i),(ii) and (iii) only

D. (iv) only

Answer:

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118. Identify the incorrect statement

A. Alkaloids can be used as insecticides

B. Alkaloids can be used as pain killers

C. Alkaloids can be used as Nutrients

D. Alkaloids can be used as Anasthetic substances

Answer:

Watch Video Solution

119. Give examples for the organisms which do not have special excretory organs.

A. I and iii

B. I and ii

C. ii and iii

D. iii and iv

Answer:

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120. Is there any relation between transpiration and rainfall?

A. Both are excretory process

B. Substances are evaporated in both the process

C. Only water is evaporated in transpiration

D. Substances are excreted in the form of liquids in Guttation

Answer:

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121. Identify the mismatched one

1) Protozoa - Flame cells

2) Annelida - Nephridia

3) Birds - Kidneys?

A. I and ii

B. I and iii

C. ii and iii

D. I,iii, and iv

Answer:

Watch Video Solution

122. Name the hormone that helps in the formation of concentrated urine.

A. I and ii

B. ii and iii

C. iii and iv

D. I and iii

Answer:

Watch Video Solution

123. Urine composition depends upon this factor.

i) Quantity of urochrome

ii) Food we take

iii) Water we drink

iv) Surroounding temperature

A. I,ii,iii

B. ii,iii,iv

C. iii,iv

D. I,ii,iii,iv

Answer:

Watch Video Solution

124. Blood pressure in the pulmonary artery is

A. I and iv

B. I and ii

C. ii and iii

D. only

Answer:

Watch Video Solution

125.

1) Bowman's capsule	( )	a) Reabsorption of water
2) Proximal convoluted tubule	( )	b) Ultra filtration
3) Distal convoluted tubule	( )	c) Selective absorption
4) Loop of Henle	( )	d) Tubular secretion

Identify the correctly matched pair.

A. 1-b,2-c,3-a,4-d

B. 1-c,2-a,3-d,4-b

C. 1-a,2-b,3-c,4-d

D. 1-d,2-c,3-b,4-a

Answer:

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126. Identify the correct statement from the following.

i) Structural unit of kidney is nephron

ii) Browman's capsule and Malphigian bodies are present in nephron

iii) Bowman's capusles are present in cortex, Malphigian bodies are present in medulla

iv) Kidney is surrounded by pelvis

A. I,ii and iii

B. ii,iii and iv

C. iii,iv and i

D. ii,iii only

Answer:

Watch Video Solution

127. Identify the incorrect statement.

A. In the longitudinal section the outer part of the kidney in red colour

B. Inner part is yellow in colour

C. in the middle region pelvis is present

D. Malphigian bodies are arranged in the cortical region

Answer:

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128. Write the correct sentence given below.

Right kidney - slightly lower than left kidney

Right kidney - slightly higher than left kidney

Right kidney - left kidney are same height.

Right kidney - is nearer to vertebral column than left kidney

A. Right kidney - Slightly lower than left kidney

B. Right kidney - slightly higher than left kidney

C. Right kidney - left kidney are same

D. Right kidney - is nearer to vertebrla column than left kidney

Answer:

Watch Video Solution

129. Identify the correctly matched pairs

1) Lungs	( )	A) Solid waste
2) Skin	( )	B) Nitrogenous wastes
3) Large intestine	( )	C) CO_2, H_2O
4) Kidney	( )	D) Salts, wastes

Identify the correctly matched pairs.

A. 1) a, 2) b, 3)c, 4)4

B. 1)b,2)1,3)c,4)d

C. 1)c,2)d,3) a,4)b

D. 1)a,2)c,3)d,4)b

Answer:

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130. What is cadaver transplantation ?

A. Collecting of organ from brain dead persons

B. Receiving of organs from brain dead persons

C. Transplantation of organs from brain dead persons.

D. None of the above

Answer:

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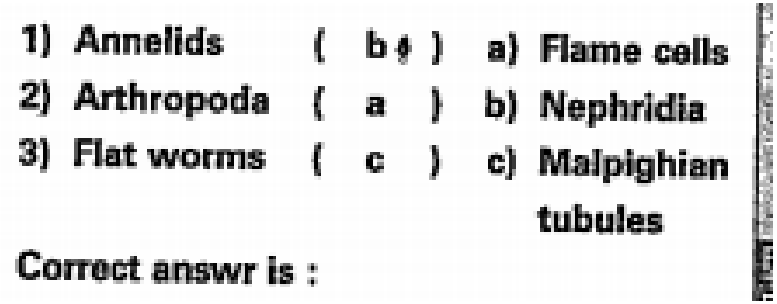
131. choose the correct option



A. 1 and 2 are correct

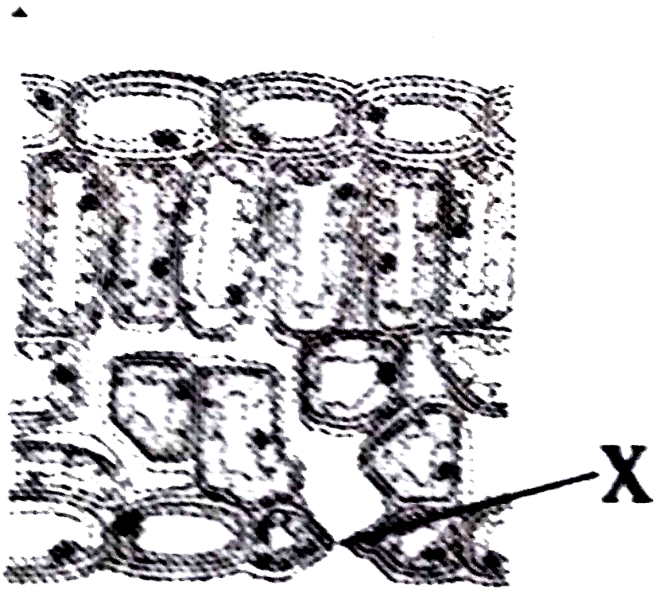
B. Only 1 is correct

C. 1 and 3 are correct

D. 2 and 3 are correct

Answer:

Watch Video Solution



132.

Identify 'X'

A. Cortex

B. Medulla

C. Nephron

D. Ureter

Answer:

Watch Video Solution

133. Which blood vessels carry blood from heart to body parts?

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134. What is ESRD ?

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135. A student observed a patient undergoing haemodialysis. He has many doubts about haemodialysis. What might be his doubts ?

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136. How many types of biochemical substances are produced by the plants? What are they?

Watch Video Solution

137. which of the following is correct?

A. Quinine -Pain killer

B. Scopolamine - Medicine for sake bite

C. Nicotine - Antiseptic

D. Morphine - Pain killer

Answer:

Watch Video Solution

138. What is the storage capacity of urinary bladder in man ?

A. 300 - 700 ml

B. 300-800 ml

C. 400-700 ml

D. 300-600 ml

Answer:

Watch Video Solution

139. Amount of urea excreted out per day is

A. 1.5 to 1.7 litres

B. 1.6 to 1.8 litres

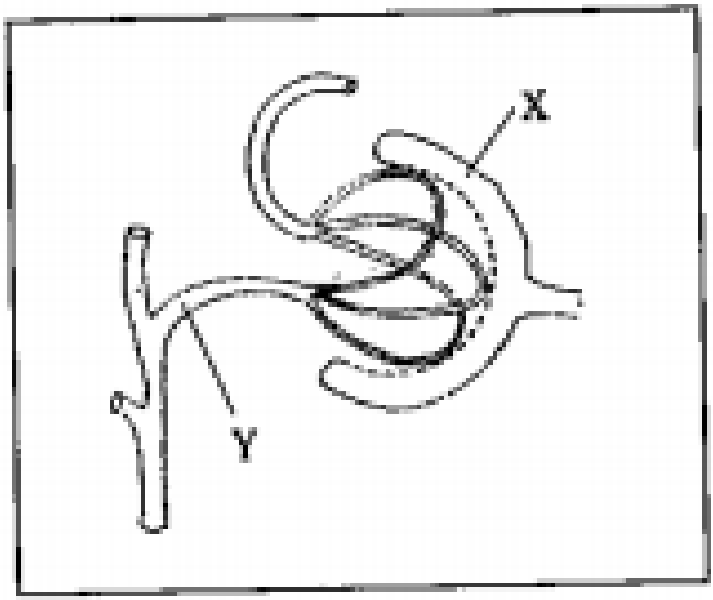
C. 1.4 to 1.6 litres

D. 1.3 to 1.5 litres

Answer:

Watch Video Solution

140. Identify the 'X' and 'Y' in the given diagram



A. PCT and Bowman's capsule

B. Bowman's capsule and efferent arteriole

C. Bowman's capsule and afferent arteriole

D. Glomerulus and efferent arteriole

Answer:

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141. Morphine,Cocaline are extracted from this part of Papaver Somniferum

A. Bark

B. Fruit

C. Root

D. Seed

Answer:

Watch Video Solution

142. Mammalian kidney resemble contractile vacuole of Amoeba in excretion of

A. Expelling out excess of water

B. Expelling out glucose

C. Expelling out urea and uric acid

D. Expelling out salts

Answer:

Watch Video Solution

143. The principle involved in dialysis is ..... .

A. Osmosis and filtration

B. Diffussion and filtration

C. Osmosis and diffusion

D. Diffusion and osmoregulation

Answer:

Watch Video Solution

144. All the water absorbed by osmosis is stored in

A. Proximal convoluted tubule

B. Distal convoluted tubule

C. Loop of Henle

D. Bowman's capsule

Answer:

Watch Video Solution

145. What is the permanent solution for the kidney failure ?

A. Kidney tansplantation

B. Blood transfusion

C. Haemodialysis

D. Plastic surgery

Answer:

Watch Video Solution

146. Podocytes cells are present in

A. Bowman's capsule

B. Tubule

C. Glomerulus

D. Malphghian tubule

Answer:

Watch Video Solution

147. What are called blood capillaries?

A. Malpighian body

B. Bowman's capsule

C. Glomerulus

D. Loop of Henle

Answer:

Watch Video Solution

148. Raphides present in ..... Of plant

A. Bark

B. leaf

C. root

D. fruits

Answer:

Watch Video Solution

149. The method through which excessive water is released out along with transpiration is.....

A. Photosynthesis

B. Guttation

C. Formation of bark

D. Stomata

Answer:

Watch Video Solution

150. The alkaloid which stimulates the nervous system is

A. Nimbin

B. Caffeine

C. Pyrethroid

D. Nicotine

Answer:

Watch Video Solution

151. Which of the following is catabolic activity?

A. Photosynthesis

B. Respiration

C. Excretion

D. Metabolic activities

Answer:

Watch Video Solution

152. We have to wash the hunds with..... after the observation of kidneys experiment

A. Dettol soap

B. Fresh water

C. Anti bacterial lotion

D. Petrol

Answer:

Watch Video Solution

153. Name the secondary metabobte which are nitrogenous by - products and poisonous.

Watch Video Solution

154. Mention the different alkaloids produced in different plants

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155. What is the role of Nephron to remove waste form the body

Watch Video Solution

156. How can we live even after death?

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