BIOLOGY

BOOKS - CHETANA PUBLICATION

Classification of Plants

Example

1. How living organisms have been classified?

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2. The five kingdom classification was proposed by.....

A. Robert Whittaker

B. Robert Hooke

C. Eichler

D. Louis Pasteur

Answer:

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3. In 1883,.....classified plants into two sub-kingdoms.

A. Robert Whittake

B. Alexander Fleming

C. Eichler

D. Robert Hook

Answer:

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4. Ulothrix, ulva,sargassum belong to.....

A. Bryophyta

B. Thallophyta

C. Pteridophyta

D. Gymnosperms

Answer:

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5. .....is a bryophyte.

A. Ulva

B. Nephrolepis

C. Funaria

D. Equisetum

Answer:

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6. In.....the seeds are naked.

A. Pteridophyta

B. Angiosperms

C. Gymnosperms

D. Bryophyta

Answer:

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7. In.....the flowers are reproductive organs.

A. Angiosperms

B. Gymnosperms

C. Pteridophyta

D. Bryophyta

Answer:

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8. In.....the flowers are tetramerous or pentamerous.

A. Monocotyledon

B. Dicotyledons

C. Gymnosperms

D. Pteridophyta

Answer:

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9. In monocotyledonous plants, the stem is.....

A. hollow

B. false

C. disc-like

D. all of these.

Answer:

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10. Lycopodium belongs to.....

A. Thallophyta

B. Bryophyt

C. Gymnosperms

D. Pteridophyta

Answer:

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11. Leaves of .....show reticulate venation.

A. Bamboo

B. Banana

C. Onion

D. Banyan

Answer:

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12. Various types of fungi like yeasts and moulds are included in the group

A. Thallophyta

B. Halophyta

C. Xenophyta

D. Angiosperms

Answer:

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13. Bryophytes have root-like structure called.....

A. Nodes

B. Rhizoids

C. Nodules

D. Aerenchyma

Answer:

14. .....reproduce with the help of spores formed along the back or posterior surface of their leaves.

A. Halophyta

B. Pteridophyta

C. Thallophyta

D. Angiosperms

Answer:

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15. In.....the reproductive organs cannot be seen.

A. Pteridophyta

B. Cryptogamae

C. Thallophyta

D. Angiosperms

Answer:

Watch Video Solution

16. .....are mostly evergreen, perennial and woody

A. Pteridophyta

B. Cryptogams

C. Thallophyta

D. Gymnosperms

Answer:

17. Gymnosperms bear male and female flowers on different ..... of the same plant.

A. Branches

B. Roots

C. Sporophylls

D. Flowers

Answer:

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18. In.....the seeds are not enclosed by fruit.

A. Pteridophyta

B. Thallophyta

C. Gymnosperms

D. Bryophyta

Answer:

Watch Video Solution

19. In.....the seeds are enclosed by fruit.

A. Pteridophyta

B. Thallophyta

C. Gymnosperms

D. Angiosperms

Answer:

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20. The plants whose seeds cannot be divided into equal parts are called.....

A. Algae

B. Fungus

C. Dicotyledons

D. Monocotyledons

Answer:

Watch Video Solution

21. The plants whose seeds can be divided into equal parts are called.....

A. Algae

B. Fungus

C. Dicotyledons

D. Monocotyledons

Answer:

Watch Video Solution

22. Find the odd one out:

Ulothrix, Ulva, Nephrolepis, Sargassum

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23. Find the odd one out:

Funaria, Marchantia, Anthoceros, Spirogyra

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24. Find the odd one out:

Marsilea, Pteris, Lycopodium, Riccia

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25. Find the odd one out:

Cycas, Mango, Apple, Banyan

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26. Find the odd one out:

Onion, Rice, Wheat, Green peas

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27. Complete the analogy:

Spirogyra :Thallophyta :: Riccia :.....

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28. Complete the analogy:

Moss:Bryophyta ::Selaginella.....

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29. Complete the analogy:

Nephrolepis: Pteridophyta :: Ulothrix :.....

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30. Complete the analogy:

Pteridophyta :Roots::Bryophyta.....

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31. Complete the analogy:

Gymnosperms: naked seeds::Angiosperms:.....

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32. Complete the analogy:

Dicotyledon : Reticulate venation

:Monocotyledon :....

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33. Complete the analogy:

Bamboo stem:Hollow::OnionStem:.....

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34. Complete the analogy:

Monocotylendon :Fibrous root :: Dicotyledon :.....

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35. Distinguish between the following:

Thallphyta and Bryophyta.

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36. Distinguish between the following:

Gymnosperms and Angiosperms.

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37. Difference between:

Algae and Moss

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38. State whether the following statements are true or false. Correct the false statements:

Thallophyta are called as the amphibians of the plant Kingdom.

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39. State whether the following statements are true or false. Correct the false statements: Fungi like yeasts and moulds are included in division bryophyta.

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40. State whether the following statements are true or false. Correct the false statements: Moss (Funaria) belongs to division bryophyta

Watch Video Solution

41. State whether the following statements are true or false. Correct the false statements:

Bryophyta have specific tissues for conduction of food and water

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42. State whether the following statements are true or false. Correct the false statements:

Plants belonging to Thallophyta group are only unicellular

Watch Video Solution

43. State whether the following statements are true or false. Correct the false statements: Pteridophytes have well developed roots, stems and leave

Watch Video Solution

44. State whether the following statements are true or false. Correct the false statements: Pteridophytes reproduce with the help of

spores formed along the back or posterior surface of their leaves

Watch Video Solution

45. State whether the following statements are true or false. Correct the false statements:

Nephrolepis belongs to division Pteridophyta.

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46. State whether the following statements are true or false. Correct the false statements:

Depending upon whether seeds are enclosed in a fruit or not, phanerogams are classified into monocots and dicots.

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47. State whether the following statements are true or false. Correct the false statements:

Gymnosperms are mostly evergreen, perennial and woody

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48. State whether the following statements are true or false. Correct the false statements: Gymnosperms bear male and female flowers on different sporophylls of different plants

Watch Video Solution

49. State whether the following statements are true or false. Correct the false statements:

In Angiosperms, the seeds are covered by fruits.

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50. State whether the following statements are true or false. Correct the false statements:

Dicotyledonous plants show reticulate venation

Watch Video Solution

51. State whether the following statements are true or false. Correct the false statements: Moncotyledonous plants have trimerous flowers.

Watch Video Solution

52. State whether the following statements are true or false. Correct the false statements:

In dicotyledonous plants, the stem is strong and hard

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53. What are ornamental plants are called?

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54. Plants with two cotyledons are called.

Watch Video Solution

55. Plants with single cotyledon are called.

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56. Type of venation showed by hibiscus plant leaves

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57. Type of venation showed by lily plant leaves

Watch Video Solution

58. .....are mostly evergreen, perennial and woody

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59. Which type of venation showed by dicot plants?

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60. Which type of venation showed by monocot plants?

Watch Video Solution

61. How are angiosperms classified into monocot and dicot?

Watch Video Solution

62. Where do gymnosperms bear their male and female flowers?

Watch Video Solution

63. In which division are fungi like moulds and yeast classified?

Watch Video Solution

64. Plants belonging to which group may be unicellular or multicellular?

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65. Complete the sentences and explain them:

(Angiosperms, gymnosperms, spores, bryophyta, thallophyta, zygote)

.....is called the 'amphibian' of the plant kingdom.

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66. Thallophyta plants have thin and fibre like body.

Watch Video Solution

67. Bryophute plants are called amphibian plant.

Watch Video Solution

68. State whether the following statements are true or false. Correct the false statements: Gymnosperms bear male and female flowers on different sporophylls of different plants

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69. In Pteridophytes, asexual reproduction occurs by spore formation and sexual reproduction occurs by zygote formation.

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70. Write note on

August W. Eichler

Watch Video Solution

71. Write note on

Thallophyta

Watch Video Solution

72. Write note on

Bryophyta

Watch Video Solution

73. Write note on

Pteridophyta

Watch Video Solution

74. Write note on

Phanerogams

 Watch Video Solution

75. Write note on

Gymnosperms

 Watch Video Solution

76. Write note on

Angiosperms

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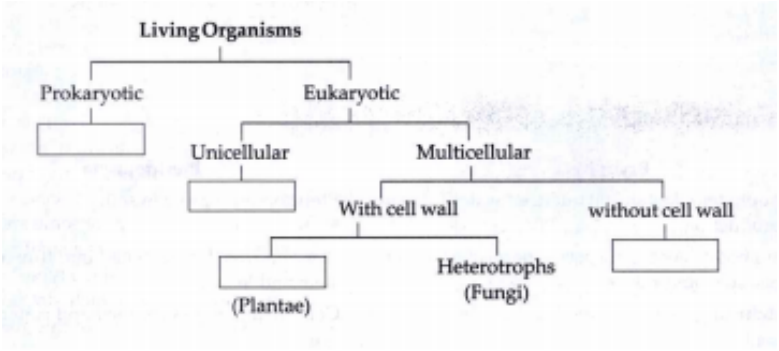
77. Living Organisms



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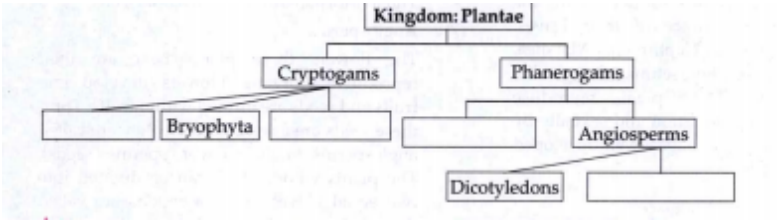
78. Kingdom: Plantae



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79. Distinguish between Bryophyta and Pteridophyta.

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80. Distinguish between:

Angiosperms and Gymnosperms

Watch Video Solution

81. Distinguish between cryptogams and phanerogams.

Watch Video Solution

82. Distinguish between:

Dicots and Monocots

Watch Video Solution

83. Distinguish between Bryophyta and Pteridophyta.

Watch Video Solution

84. Distinguish between Bryophyta and Pteridophyta.

Watch Video Solution

85. Distinguish between:

Angiosperms and Gymnosperms

Watch Video Solution

86. Distinguish between:

Angiosperms and Gymnosperms

Watch Video Solution

87. Distinguish between Dicotyledonae and Monocotyledonae.

Watch Video Solution

88. Distinguish between anatomy of Dicot and Monocot roots.

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89. Answer the following questions:

Sketch , label and describe Spirogyra.

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90. Answer the following questions:

Sketch and label the figures of the following and explain them in brief.

Marchantia

Watch Video Solution

91. Answer the following questions:

Sketch and label the figures of the following and explain them in brief.

Fern

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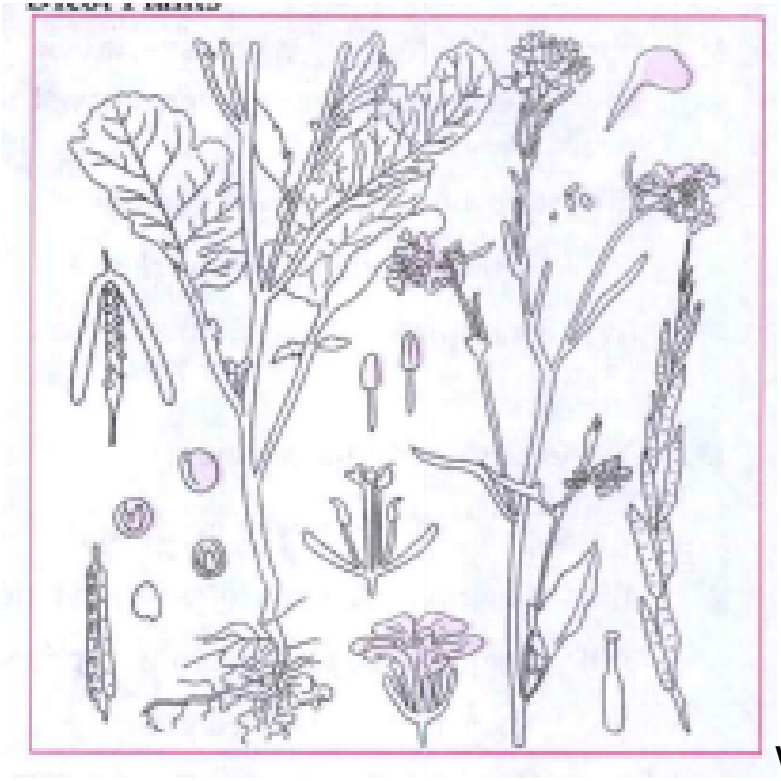
92. Dicot Plants



What are the characteristics of the above plants in terms of root system?

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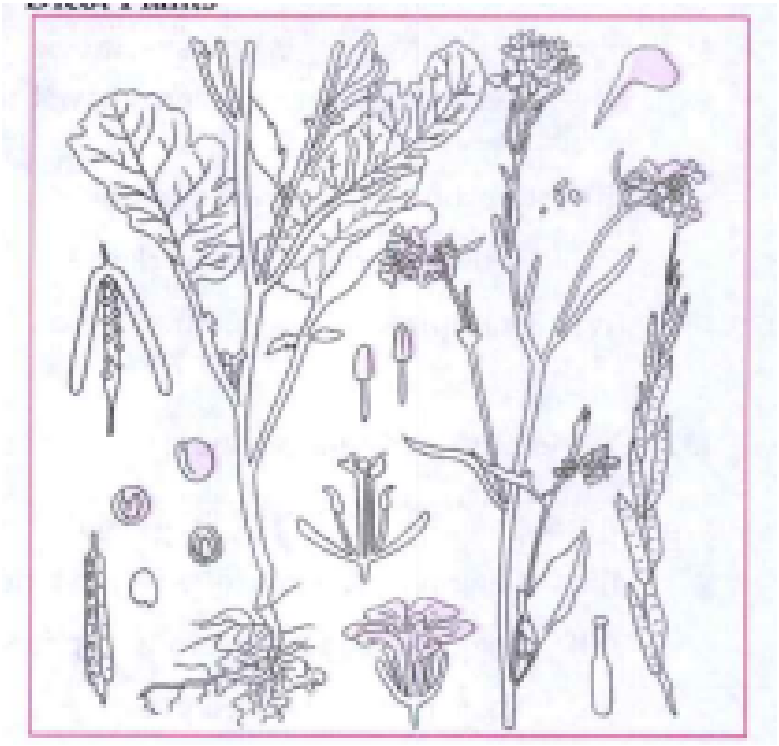
93. Dicot Plants

What are the characteristics of the above plants in terms of flowers?

Watch Video Solution

94. Dicot Plants



What are the characteristics of the abvoe plants in terms of leaf venations?

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95. Dicot Plants

What are the characterisitcs of the above plants in terms of type of stem?

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96. Dicot Plants

What are the characteristics of the above plants in terms of seed?

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97. Dicot Plants

Give example of the following types of plants.

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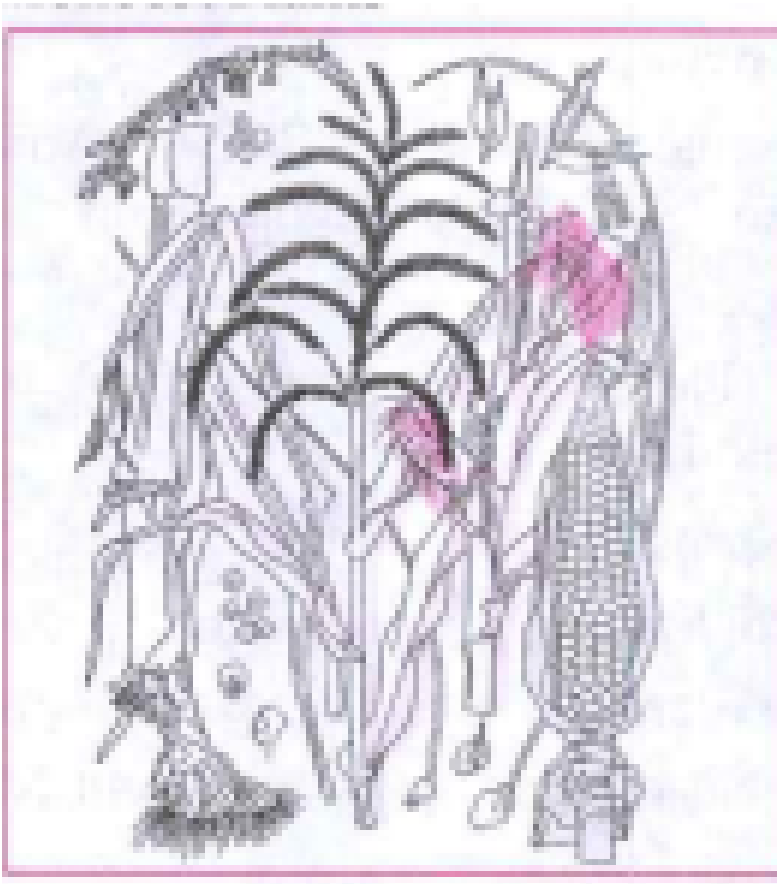
98. Monocot Plants



What are the characteristics of the above plants in terms of root system.

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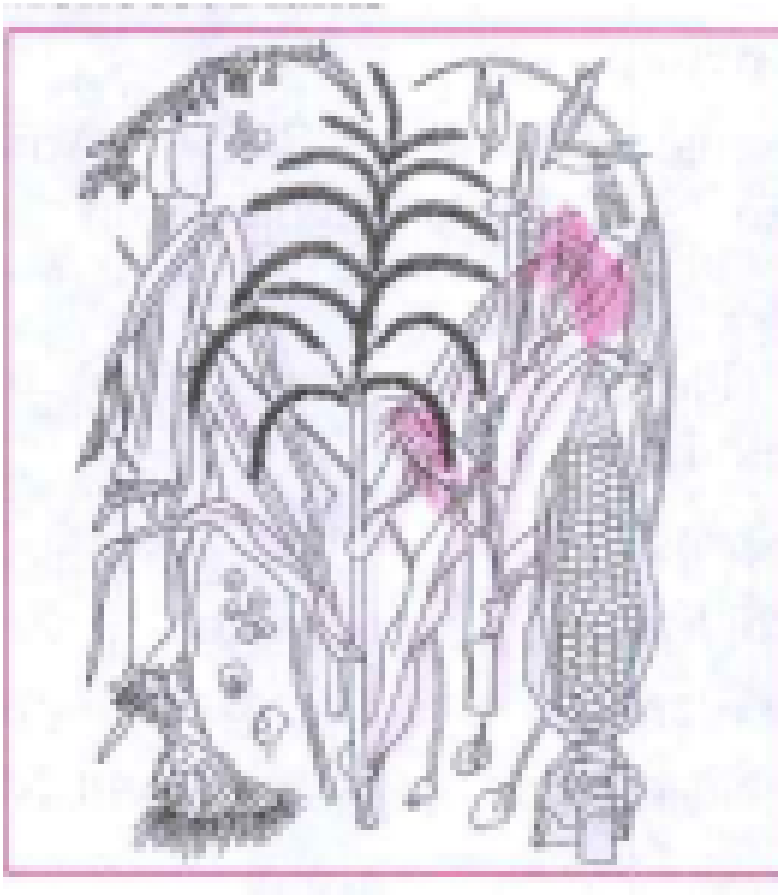
99. Monocot Plants



What are the characteristics of the above plants in terms of flowers?

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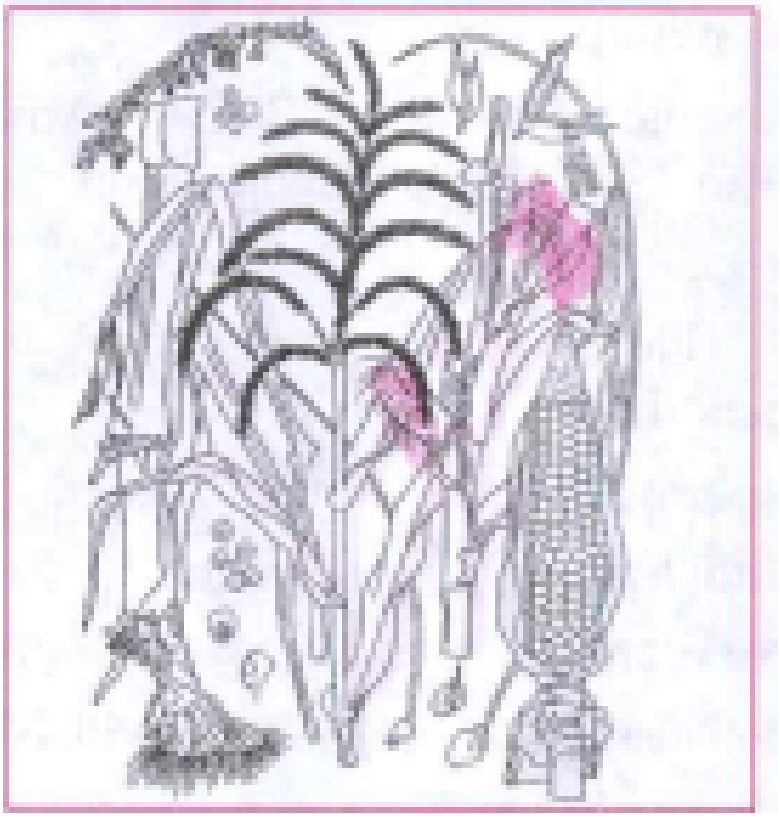
100. Monocot Plants



What are the characteristics of the above plants in terms of leaf venations?

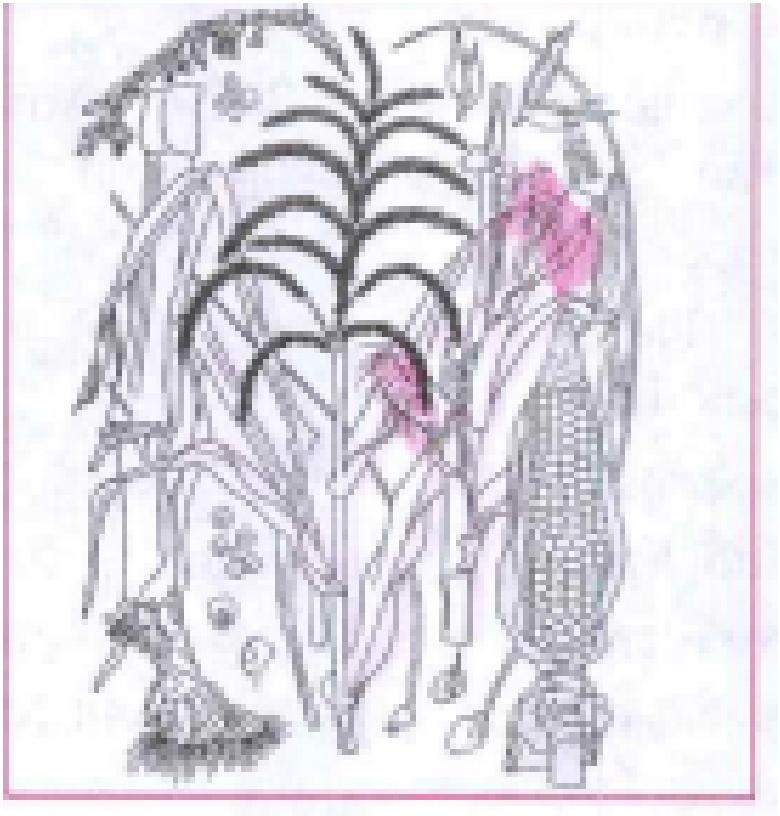
Watch Video Solution

101. Monocot Plants

What are the characteristics of the above plants in terms of type of stem?

Watch Video Solution

102. Monocot Plants



What are the characteristics of the above plants in terms of type of seed?

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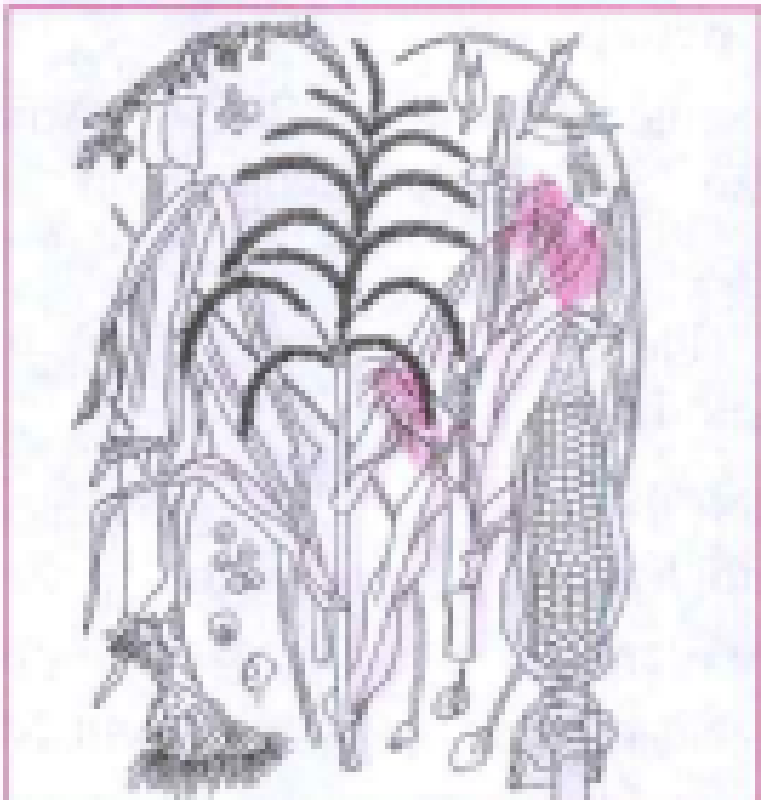
103. Monocot Plants



Give example of the following types of plants.

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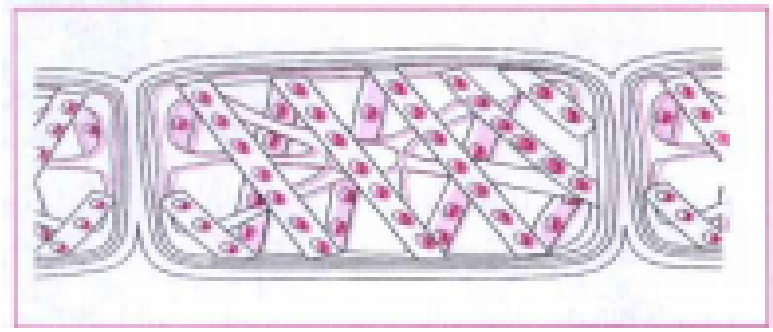
104. Spirogyra



Which division of plants does this plant come under?

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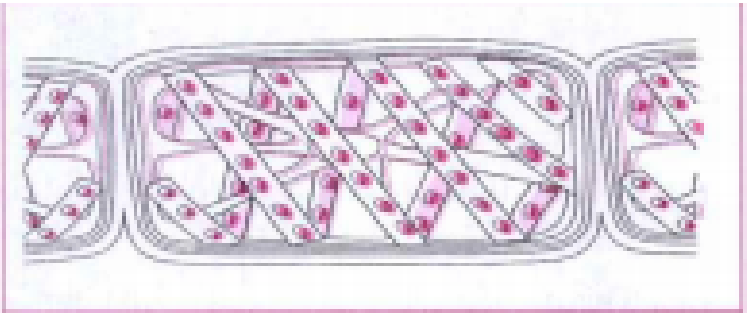
105. Spirogyra



Where does this plant grow?

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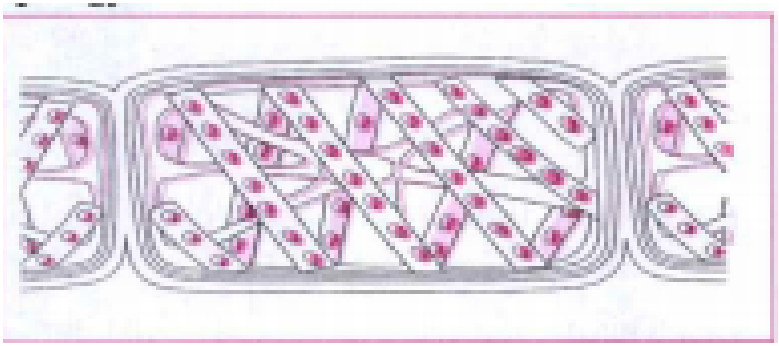
106. Spirogyra



Are these types of plants unicellular or multicellular?

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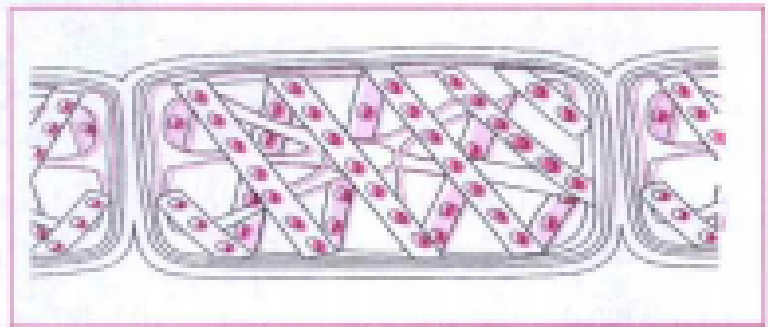
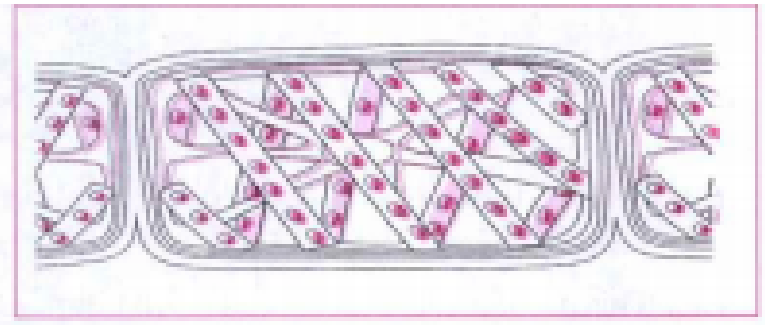
107. Spirogyra



Which division of plants does this plant come under?

Watch Video Solution

108. Spirogyra



Do these plants have root-stem-leaves-flowers system?

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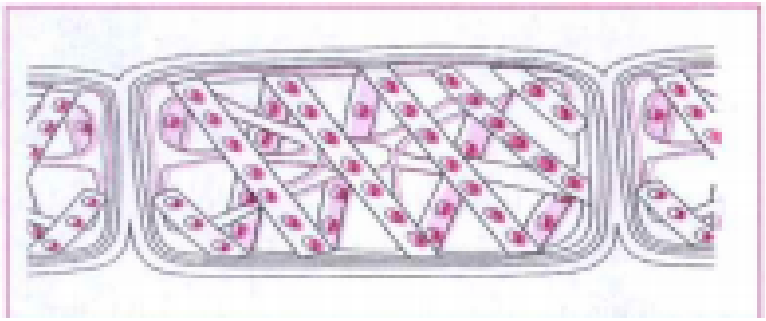
109. Spirogyra



How is the body of these types of plants?

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110. Funaria

Which division of plants does this plant come under?

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111. Funaria

Where does this plant grow?

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112. Funaria

What are these group of plants called in the plant kingdom?

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113. Funaria

Are these types of plant autotropic?

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114. Funaria

Do these plants have root-stem-leaves-flowers system?

Watch Video Solution

115. Funaria

What do these plants have instead of roots?

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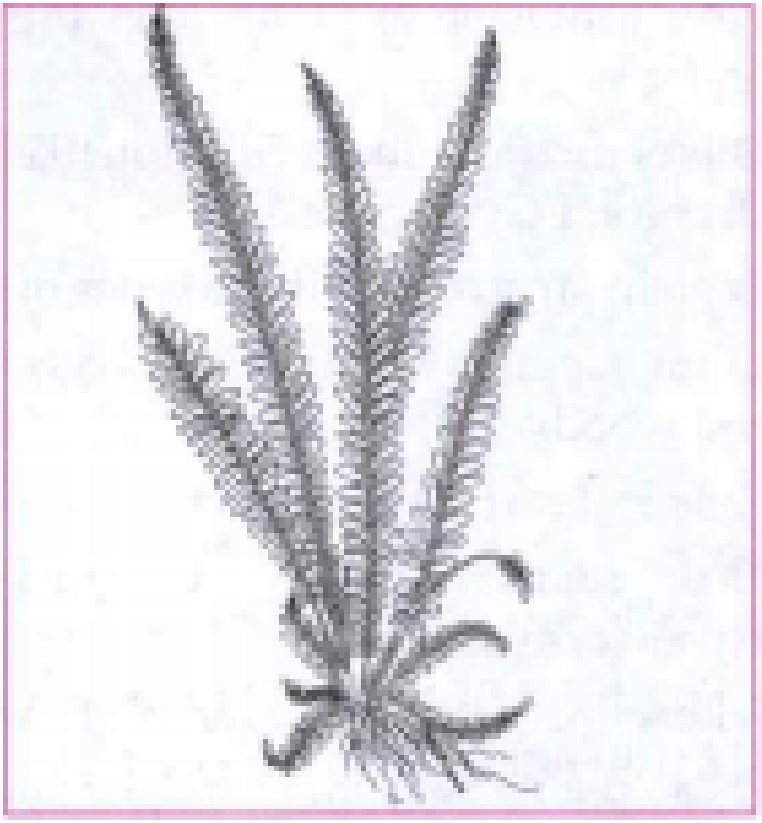
116. Fern



Which division of plants does this plant come under?

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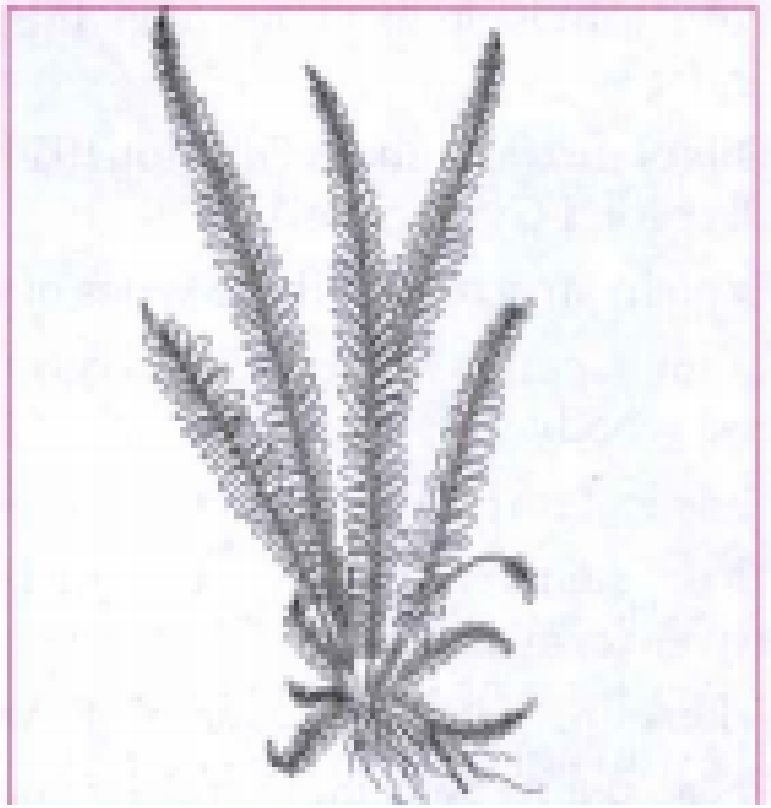
117. Fern

Where does these plants reproduce?

Watch Video Solution

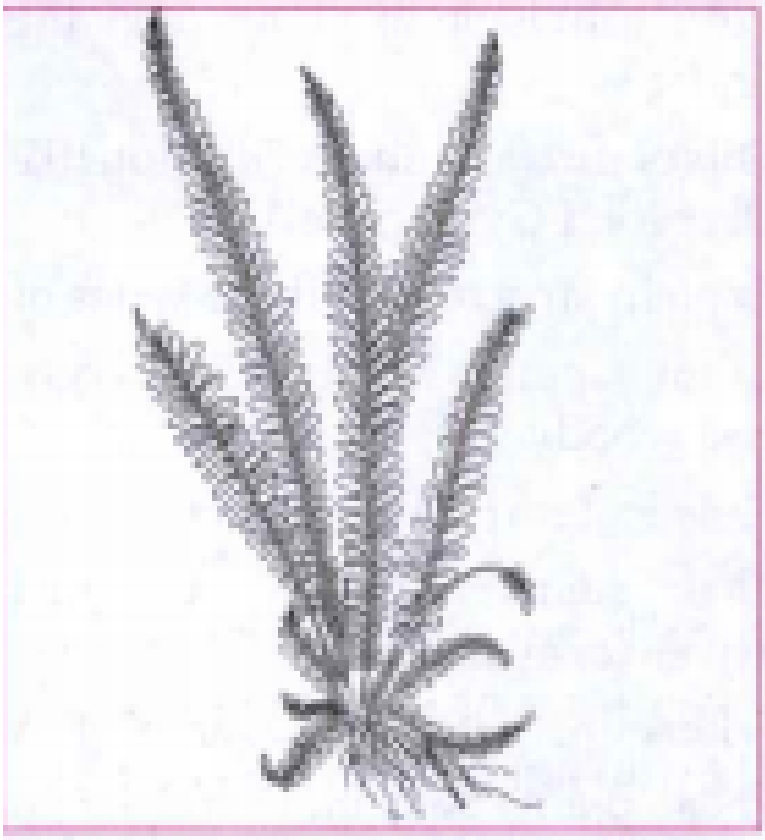
118. Fern



How do these plants reproduce?

Watch Video Solution

119. Fern



Do these plants produce flowes and fruits?

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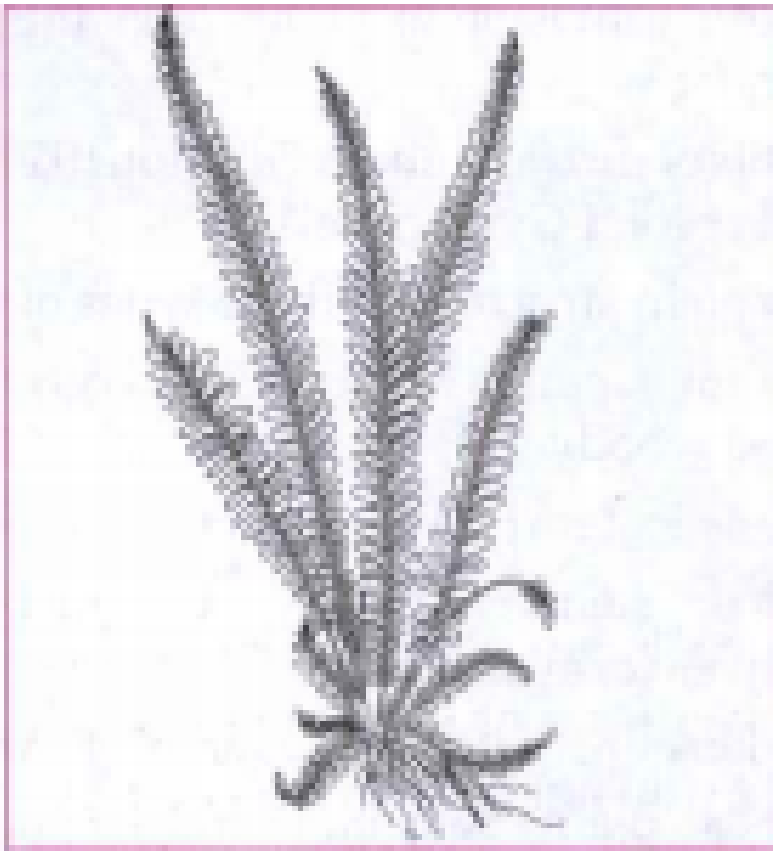
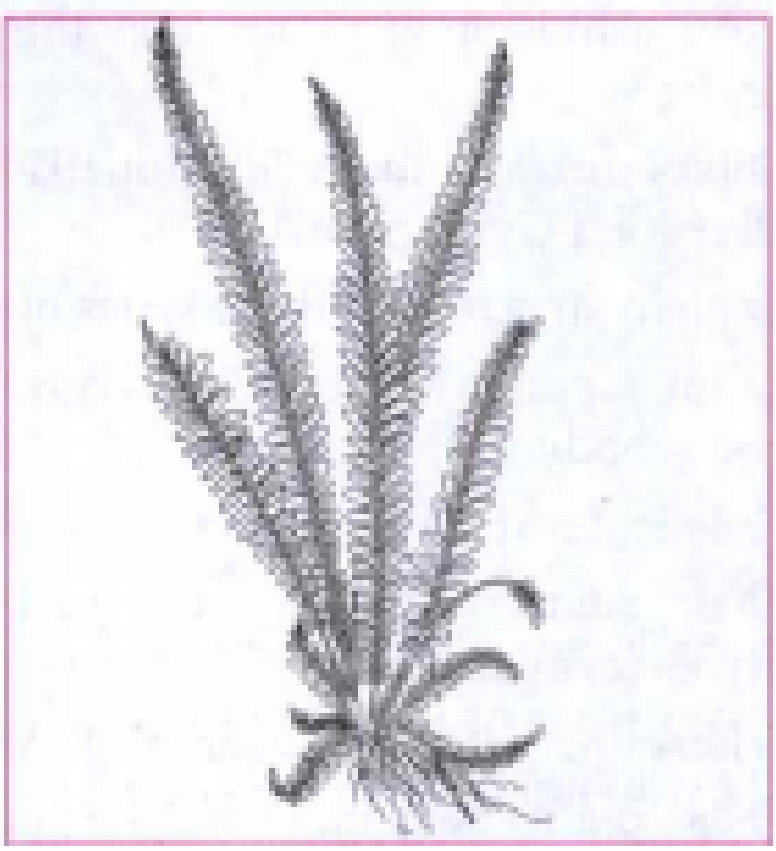
120. Fern



Do these plants have root-stem-leaves-flowers system?

Watch Video Solution

121. Fern



Where are the spores formed in the plants body?

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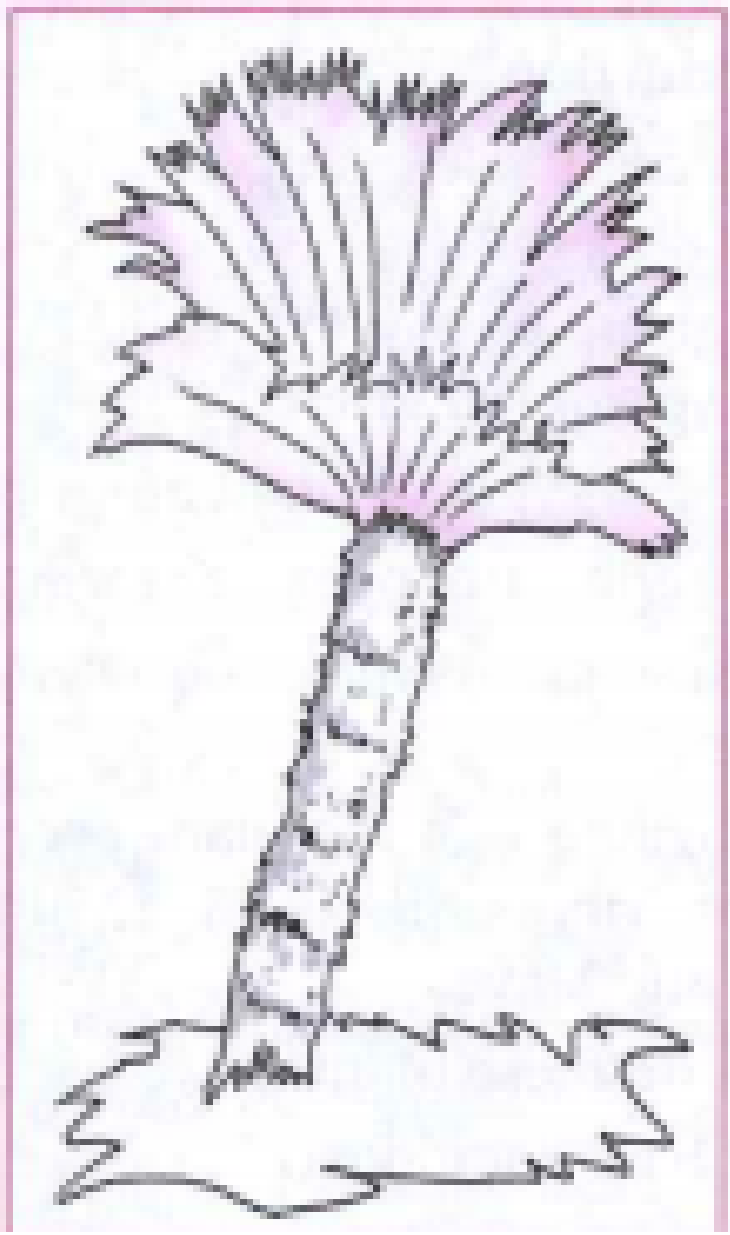
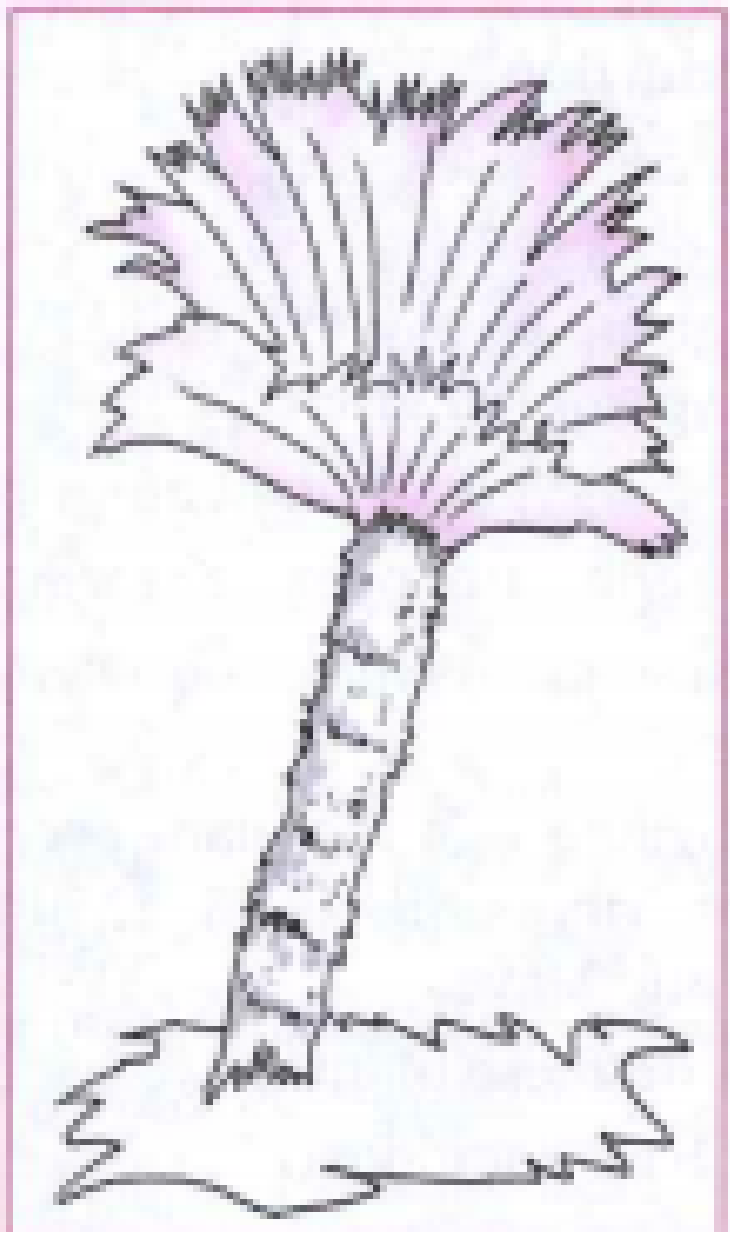
122. Cycas



Which division of plants does this plant come under?

Watch Video Solution

123. Cycas



Explain structure of these types of plants?

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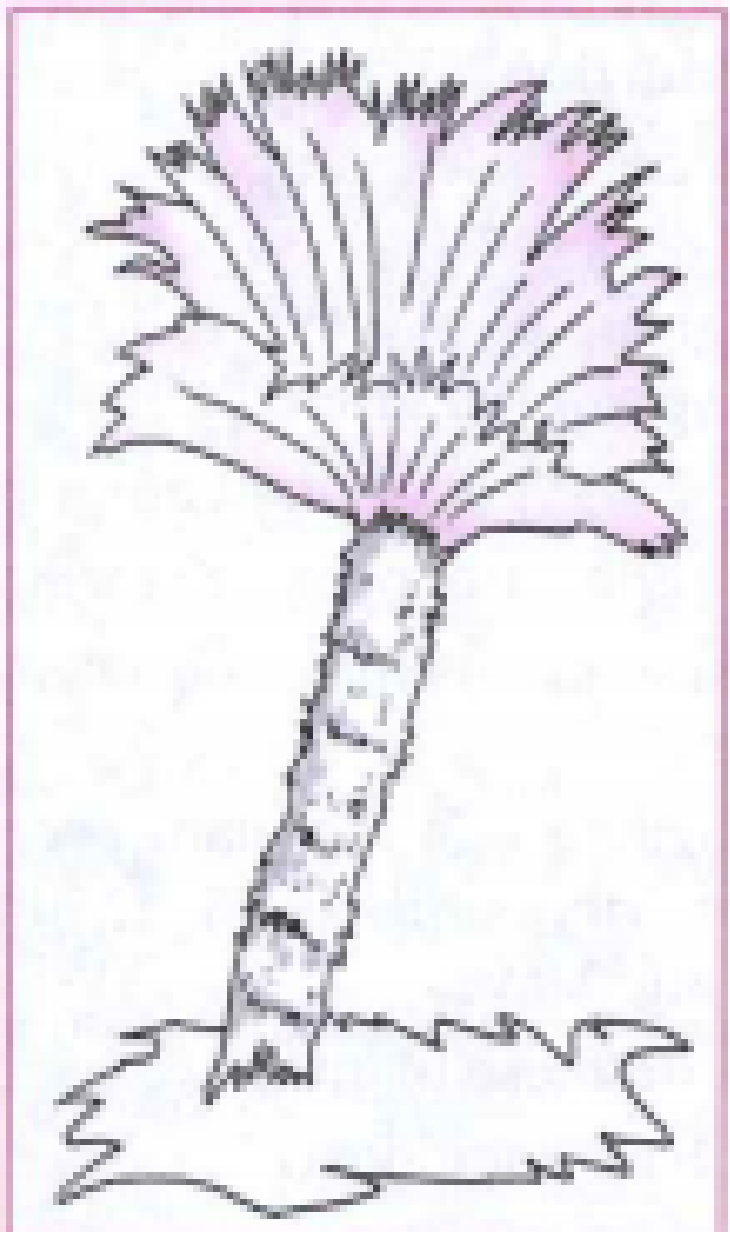
124. Cycas



How is stem and leaves of these types of plants?

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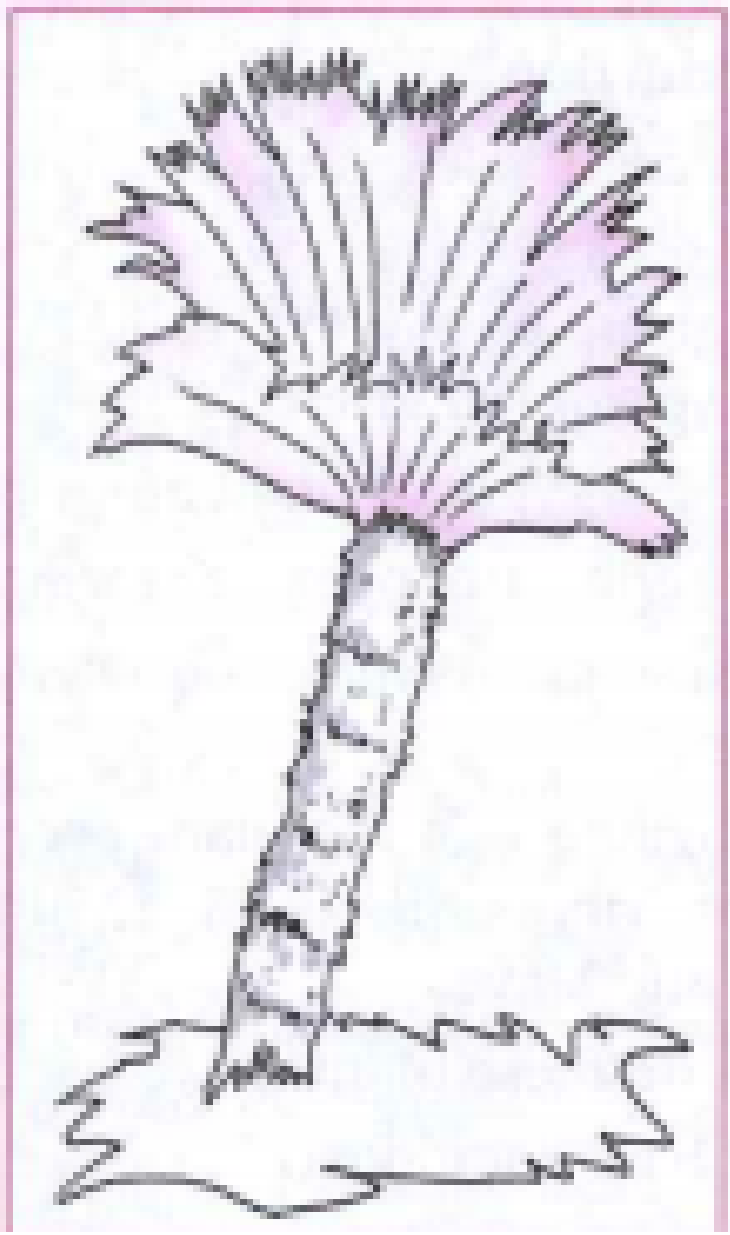
125. Cycas



Where are the male and female flowers located?

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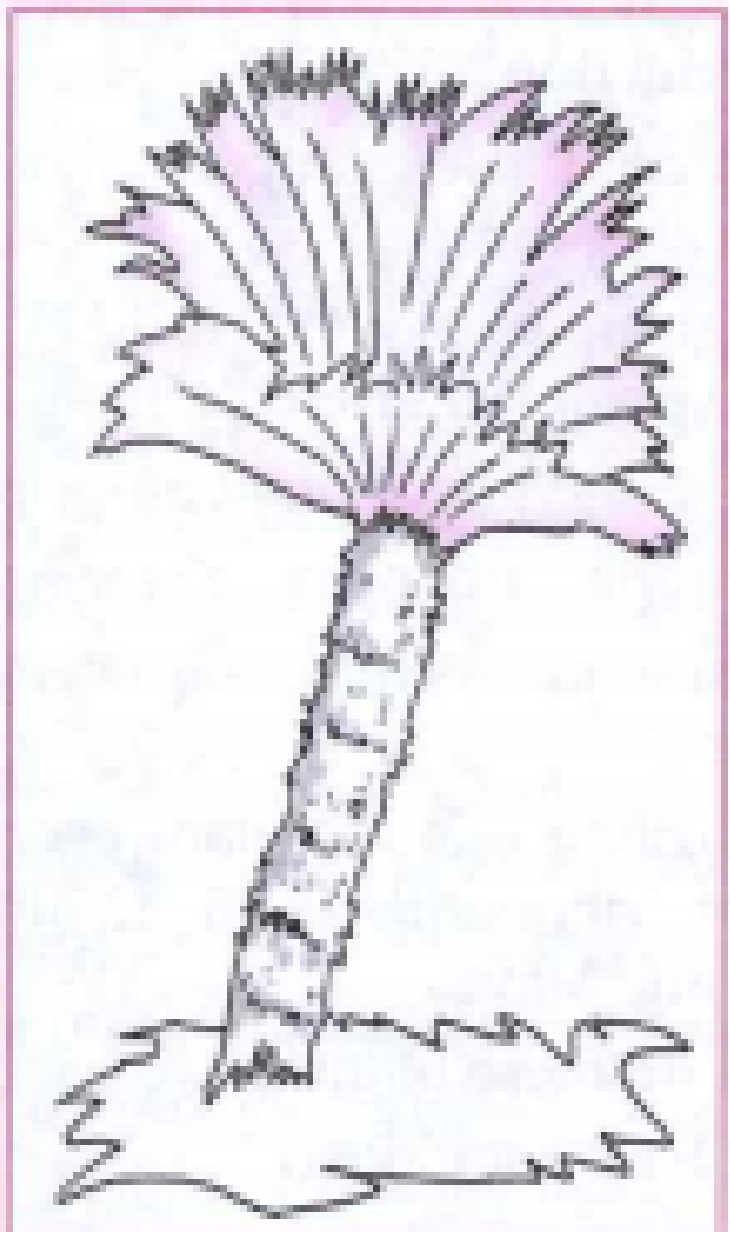
126. Cycas



How are the seeds of these types of plant?

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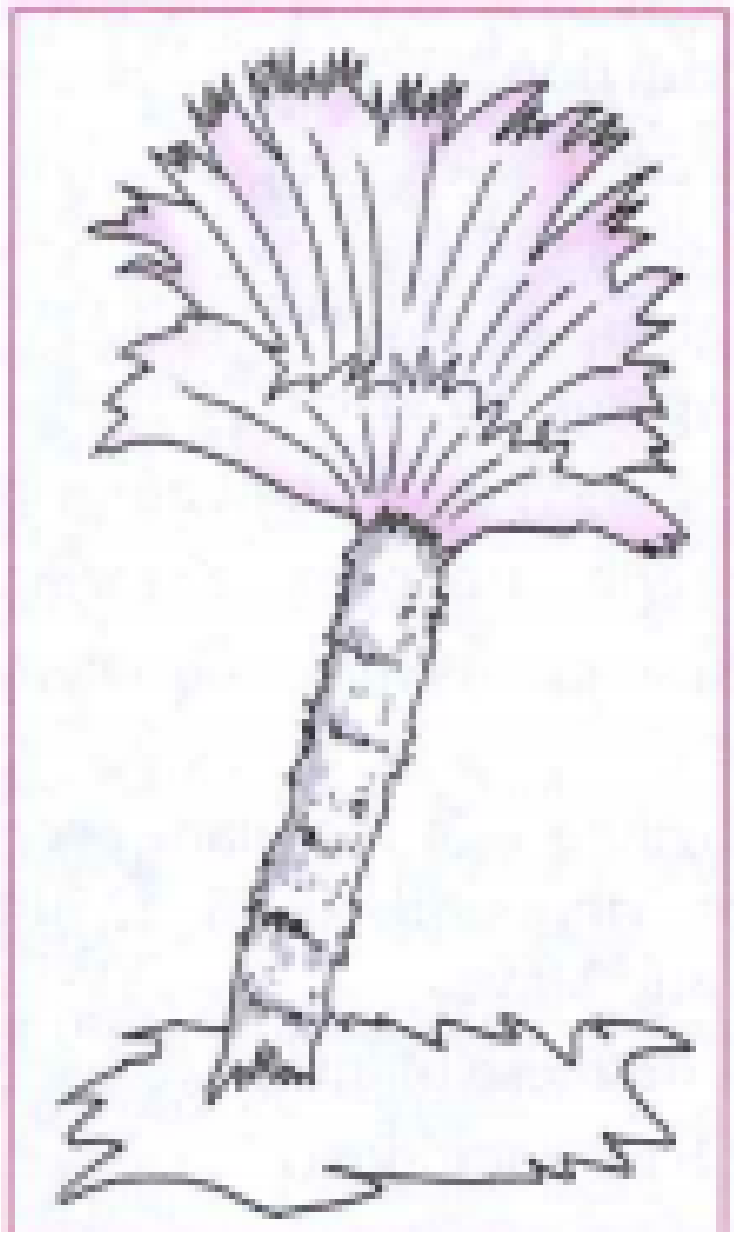
127. Cycas



Give some examples of these types of plants?

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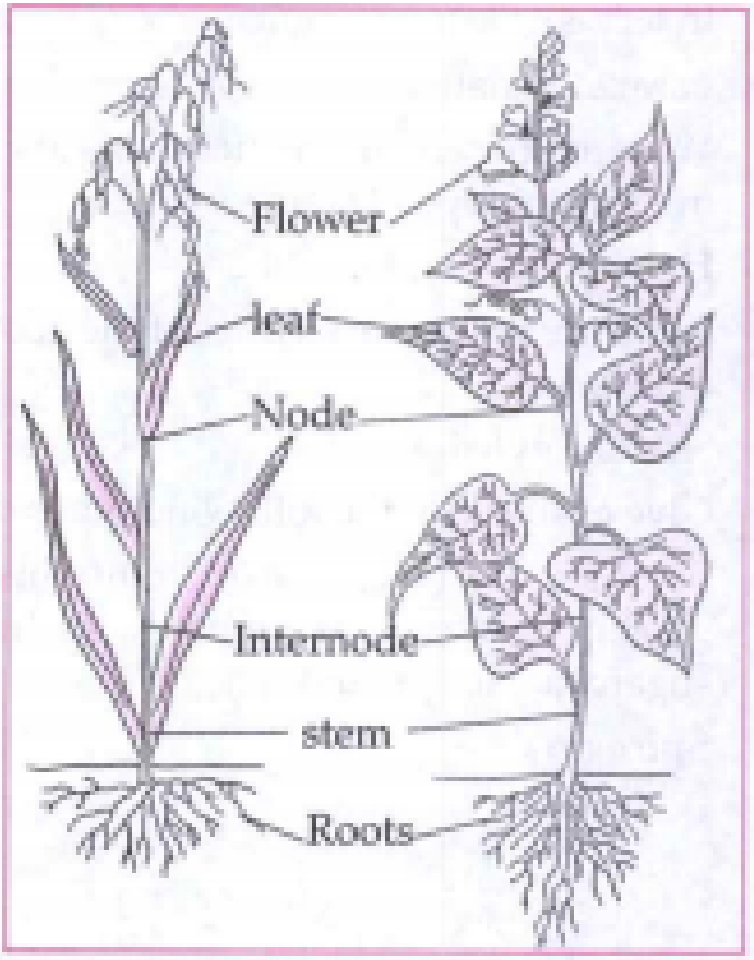
128. Monocot and Dicot plants



Which division of plants does this plant come under?

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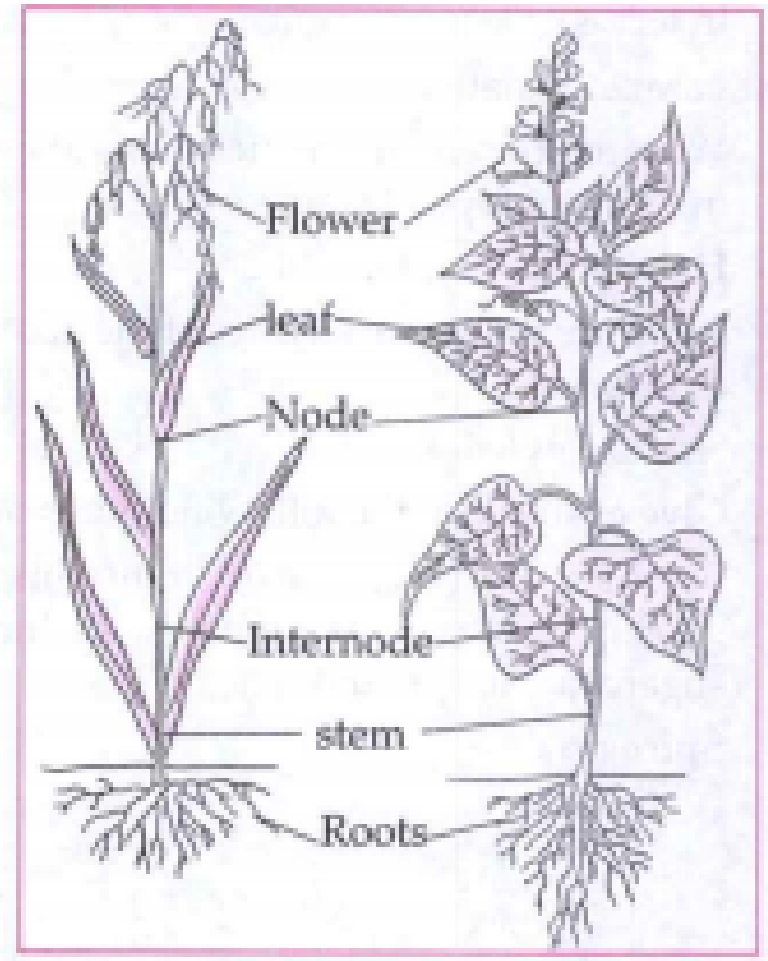
129. Monocot and Dicot plants



How are the seeds of these types of plants?

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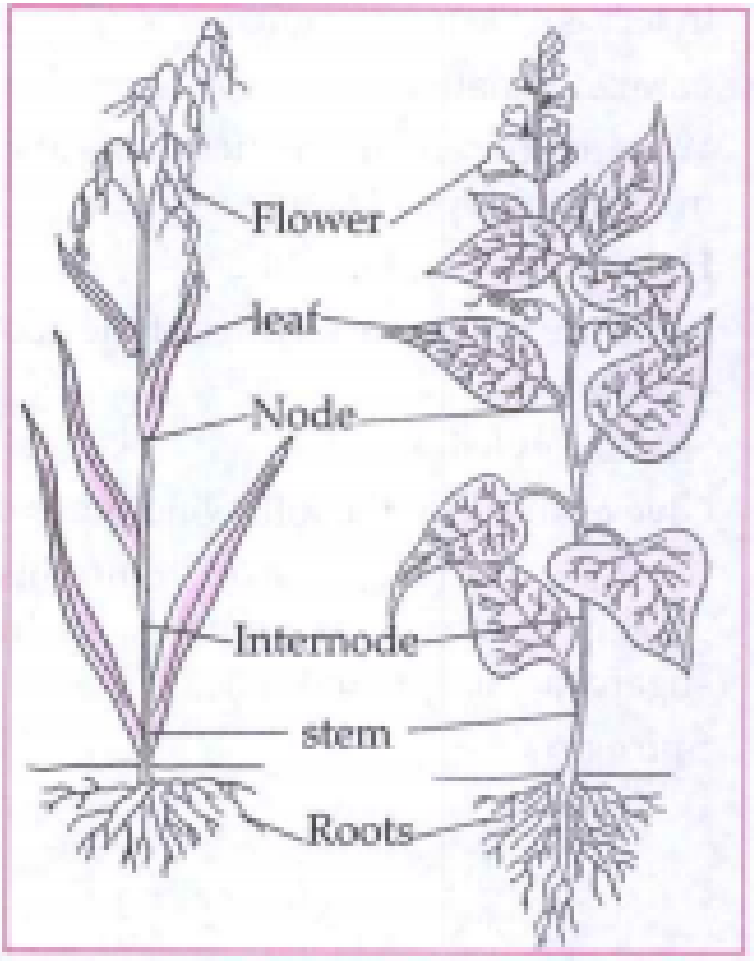
130. Monocot and Dicot plants



How can we classify the plants according to their seeds in this division?

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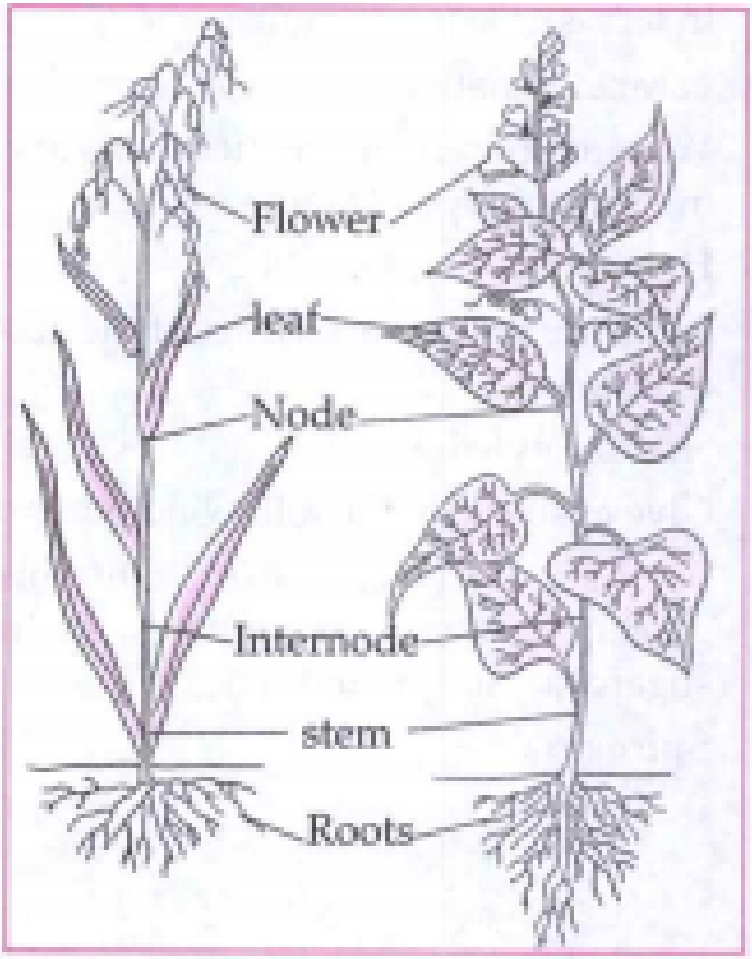
131. Monocot and Dicot plants



How the venations are present on the leaves of these types of plants?

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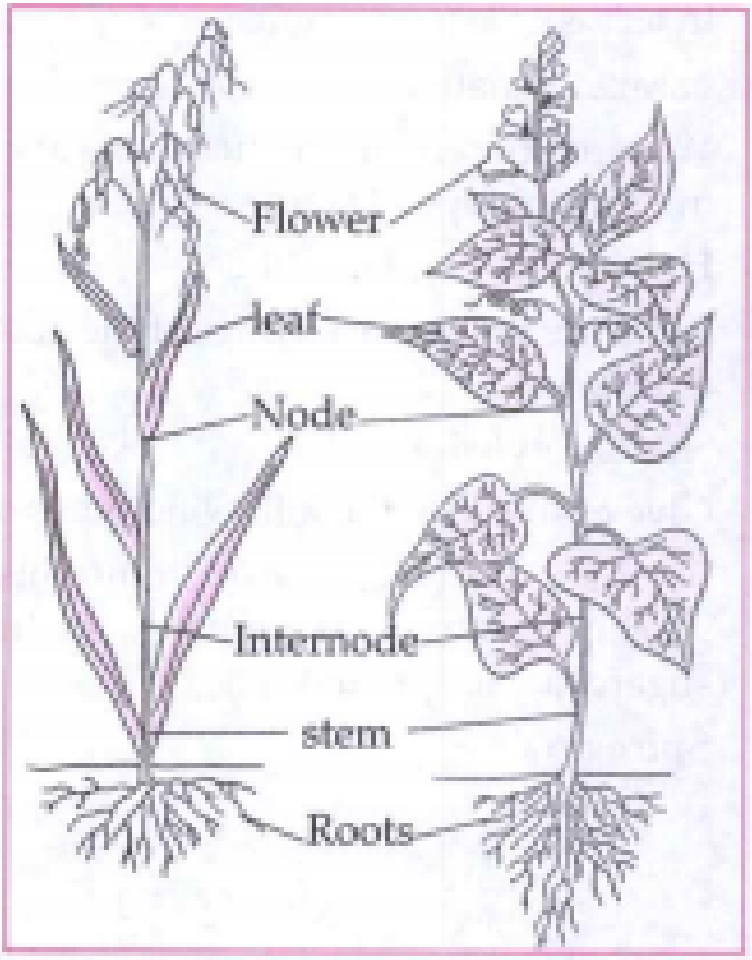
132. Monocot and Dicot plants



How is the root system of these types of plants?

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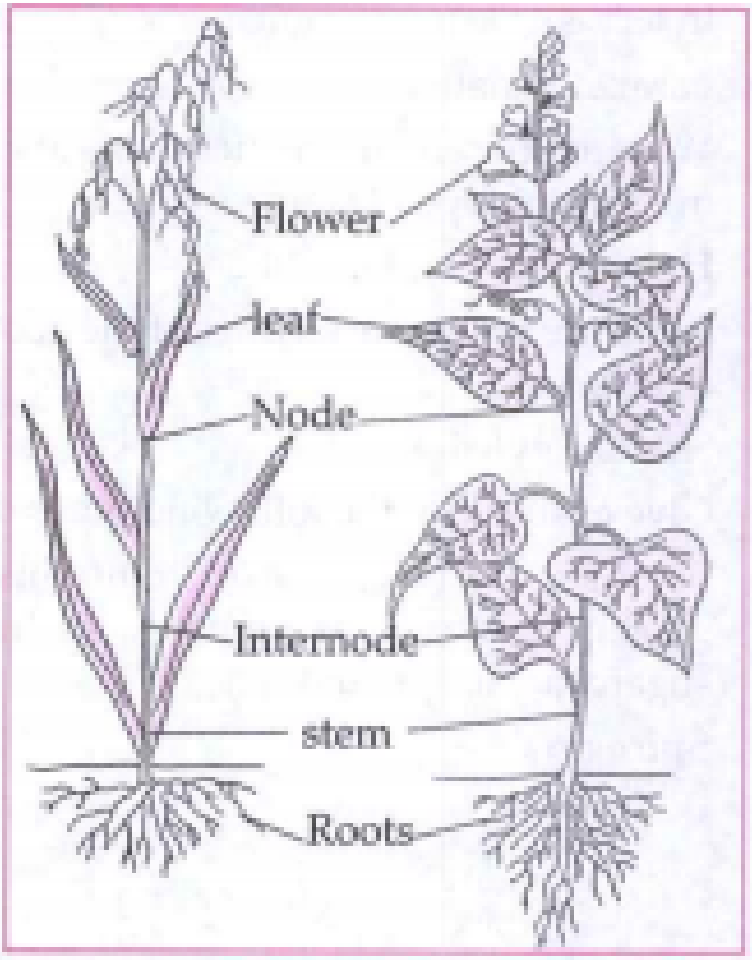
133. Monocot and Dicot plants



Give some examples of these types of plants?

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134. You may have seen a lush green soft carpet on old walls, bricks and rocks in the rainy season. Scrape it gently with a small ruler, observe it under a magnifying lens and discuss.

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135. You may have seen ferns among the ornamental plants in a garden. Take a leaf of a fully grown fern and observe it carefully.

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136. Observe garden plants like Cycas, christmas tree, hibiscus, Lilly, etc. and compare them. Note the similarities and differences between them. Which differences did you notice between gymnosperms and angiosperms?

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137. Soak the seeds of corns, beans, groundnut, tamarind, mango, wheat etc. in water for 8 to 10 hrs. After they are soaked, check each seed to see whether it divides into two equal halves or not and categorize them accordinly.

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138. Write the characteristics of Thallophyta.

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139. Write the characteristics of Gymnosperms.

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140. Answer the following questions:

Write the characteristics of subkingdom phanerogams.

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141. Answer the following questions:

Write the paragraph in your own words about the ornamental plants called ferns.

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142. Answer the following questions:

Write the characteristics of the plants belonging to the division Bryophyta.

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143. Which criteria are used for the classification of plants? Explain with reason.

144. Make a concept diagram of Taxonomy of Plant Classification.

145. Make a concept diagram of Taxonomy of carnivorous plant.

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146. Who gave system of classification for the whole plant kingdom.

A. Robert Whittake

B. Robert Hooke

C. Eichler

D. Louis Pasteur

Answer:

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147. The five kingdom classification was proposed by.....

A. Angiosperms

B. Gymnosperms

C. Pteridophyta

D. Bryophyta

Answer:

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148. In.....the flowers are reproductive organs.

A. hollow

B. false

C. disc-like

D. all of these.

Answer:

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149. In monocotyledonous plants, the stem is.....

A. Bamboo

B. Banana

C. Onion

D. Banyan

Answer:

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150. Leaves of .....show reticulate venation.

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151. Find the correlation:

Moss : bryophyta :: Selaginella :.....

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152. Find the correlation:

Bamboo stem : Hollow :: Onion Stem :.....

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153. State whether the following statements are true or false. Correct the false statements:

Nephrolepis belongs to division Pteridophyta.

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154. State whether the following statements are true or false. Correct the false statements:

In Angiosperms, the seeds are covered by fruits.

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155. Bryophute plants are called amphibian plant.

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156. Thallophyta plants have thin and fibre like body.

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157. In Pteridophytes, asexual reproduction occurs by spore formation and sexual reproduction occurs by zygote formation.

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158. Write a note on Bryophyta.

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159. Distinguish between cryptogams and phanerogams.

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160. Which criteria are used for the classification of plants? Explain with reason.

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161. Write the characteristics of fern.

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162. Write the characteristics of Gymnosperms.

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163. Make a concept diagram of Taxonomy of Plant Classification.

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164. Make a concept diagram of Taxonomy of carnivorous plant.

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