



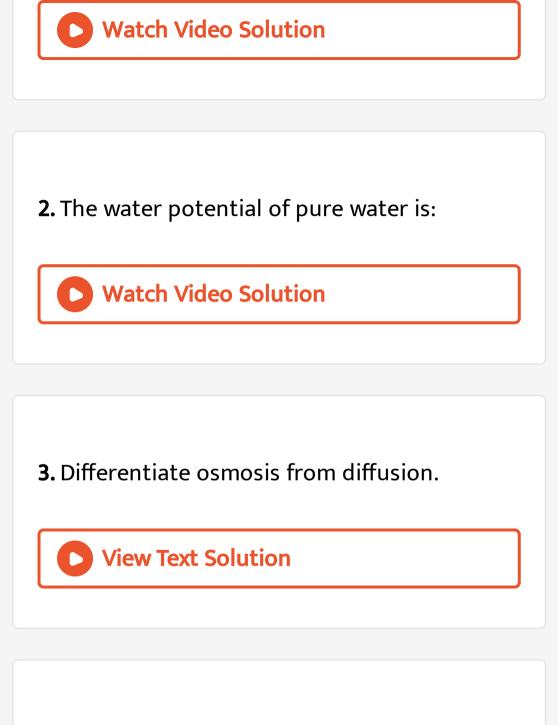
BIOLOGY

BOOKS - VIKRAM PUBLICATION (ANDHRA PUBLICATION)

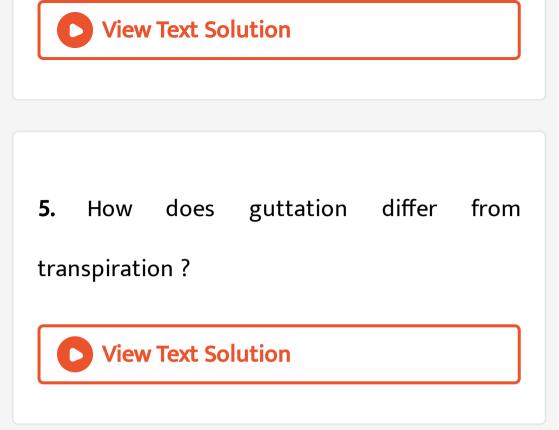
TRANSPORT IN PLANTS

Very Short Answer Questions

1. What are porins? What role do they play in diffusion?



4. What are apoplast and symplast ?



6. Discuss the factors responsible for ascent of

xylem sap in plants.

7. With reference to transportation of food within a plant cells, what are the sources and sink ?



8. Does transpiration occurs at night ? Give an

example.

9. How does opening and closing of stomata take place?
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10. The C_4 plants are Photosynthetically more

efficient than C_3 plants because

11. What is meant by transport saturation how

does it influence facilitated diffusion.



12. How does opening and closing of stomata

take place?



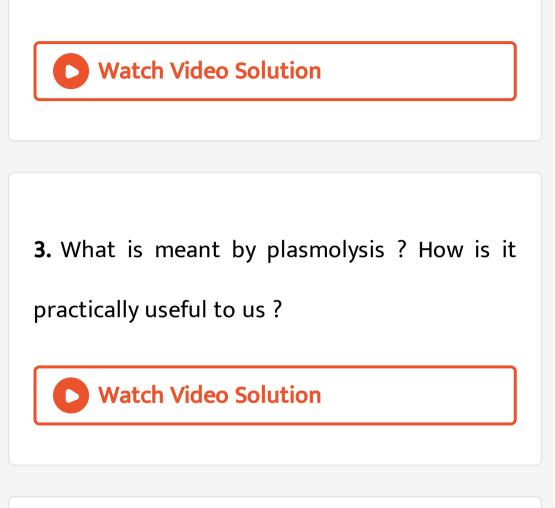
13. Compare imbibing capacities of pea and wheat seeds.
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Short Answer Questions

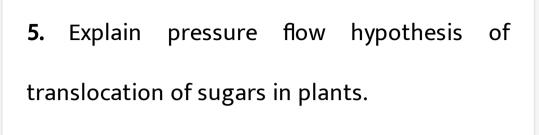
1. Briefly describe water potential. What are

the factors affecting it?

2. Facilitated diffusion involve



4. Ascent of sap in tall trees is helped by





6. Transpiration is necessary evil. Explain?

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7. During photosynthesis





8. How does opening and closing of stomata

take place?

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Important Question

1. What are porins? What role do they play in

diffusion?





2. Discuss the factors responsible for ascent of

xylem sap in plants.



3. Does transpiration occurs at night ? Give an

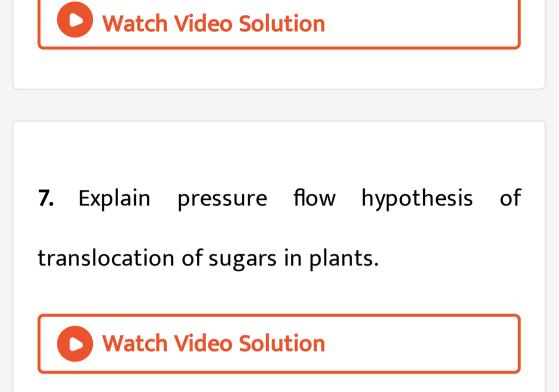
example.

4. How does opening and closing of stomata take place?
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5. Explain why pure water has the maximum water potential.

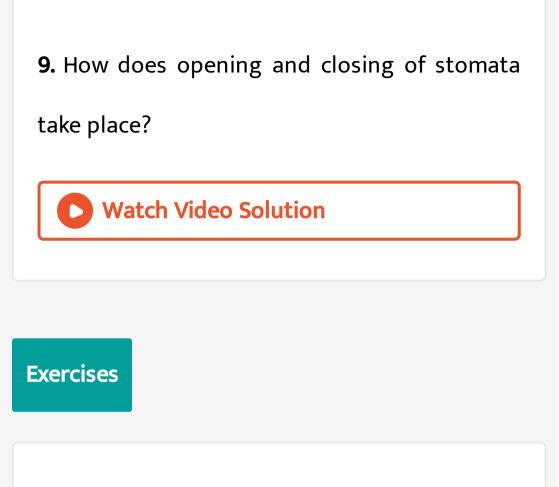


6. Ascent of sap in tall trees is helped by



8. Transpiration is necessary evil. Explain?





1. Differentiate uphill and downhill transport.

2. Facilitated diffusion involve



3. What happens when two solutions of

different concentrations are separated by an

egg membrane ? State the reason.



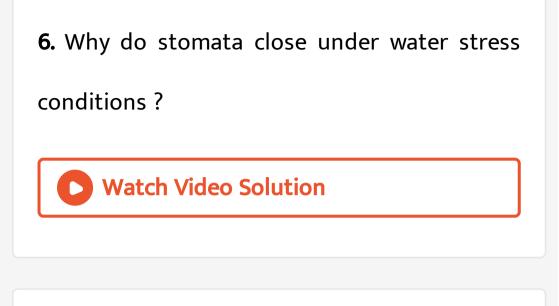
4. What role does root pressure play in water

movement in plants?

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5. Why pinus seeds fail to germinate in the

absence of mycorrhizae ?



7. How are stomata distributed in a typical

monocot plant?



8. How scientists prove that the food is trasnsported through the phloem?
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9. What essential role does the root endodermis play during mineral absorption in plants?

10. Actively growing plant tissues have a water

content of