



BIOLOGY

BOOKS - SUPER COMPANION 5 IN 1

IPUC ANNUAL EXAMINATION-2015 (SOUTH)



1. What is a taxon ?

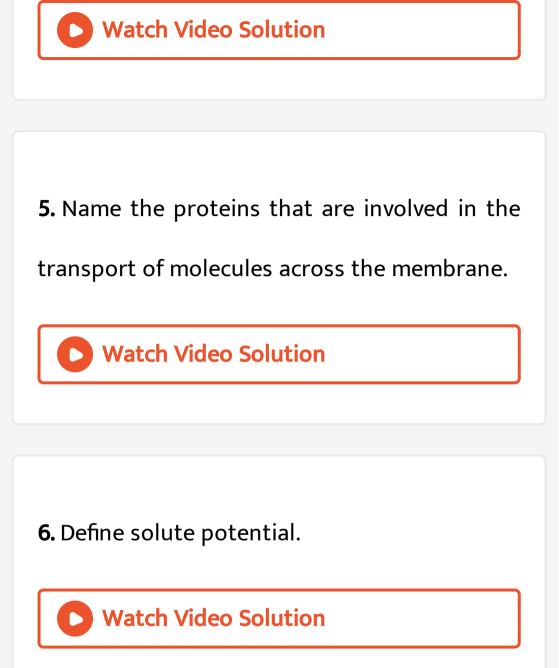
2. Write the binomial name of the plant mango.



3. What is an actinomorphic flower?



4. Define a cell.



7. Which is the most abundant plant pigment

present in the world?

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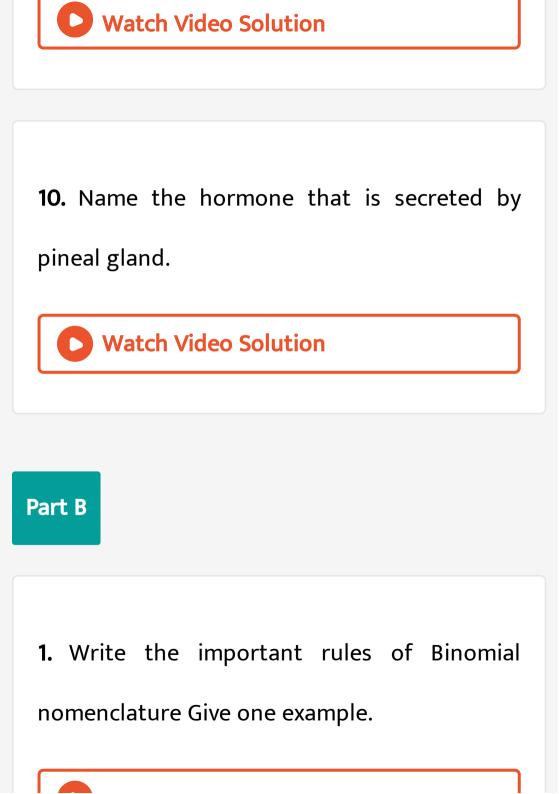
8. What is chlorosis?

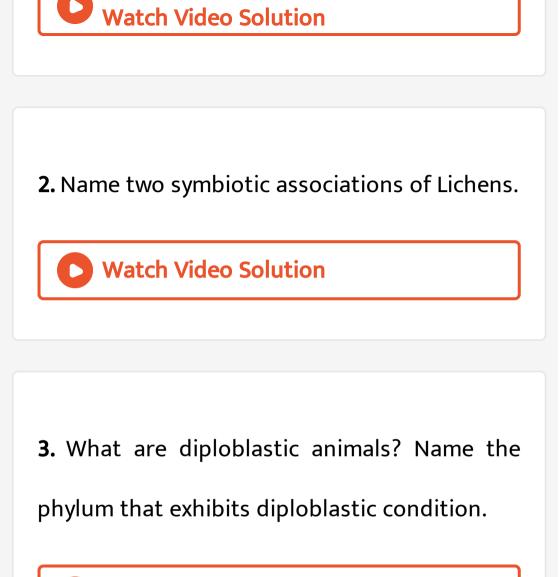
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9. Name the cell that secretes mucus. What are

the functions of mucus?

Γ





4. Differentiate between open and closed type

of vascular bundles.

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5. Name four main types of tissues present in animals.



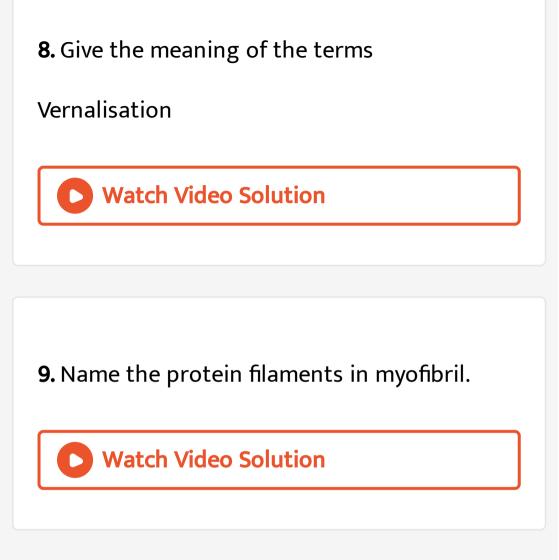
6. Classify the chromosomes based on the

position of centromere.

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7. Give the meaning of the terms

Photoperiodism





1. Sketch and label the structure of chloroplast.
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2. How would you identify the following stages

of meiosis-I.

Leptotene

3. How would you identify the following stages

of meiosis-I.

Zygotene



4. How would you identify the following stages

of meiosis-I.

Pachytene

5. What are proteins? Name the most abundant protein present in plants and animals.



6. Explain three phases of sigmoid curve.



7. Give the meaning of the terms

Antiport

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8. Give the meaning of the terms

Osmosis

9. Give the meaning of the terms

Guttation

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10. Describe briefly the digestion of three

types of food by the enzymes of pancreas.

11. Name the three layers of cranial meninges

present between skull and brain.

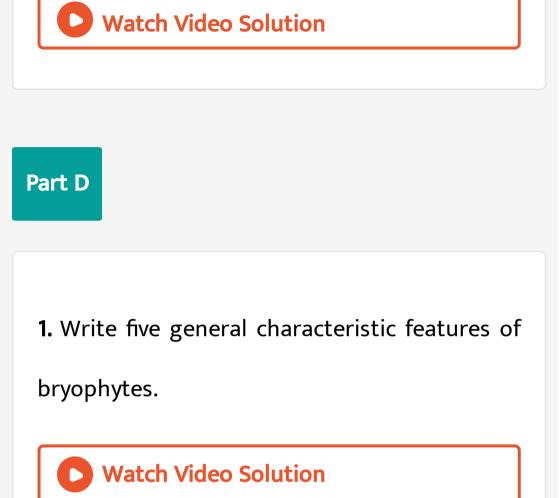
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12. Mention the types of antigen and antibody

present in different blood groups of man.

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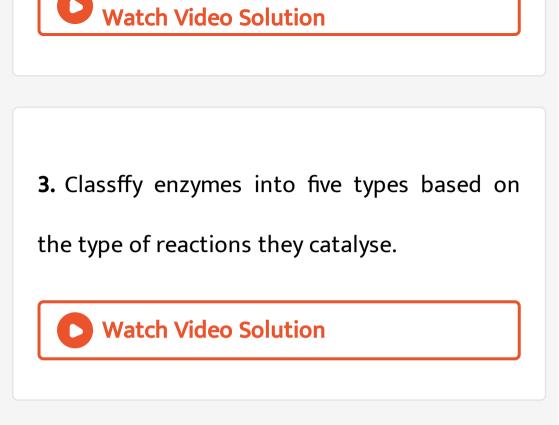
13. What is uremia?



2. Draw a labelled diagram of Alimentary canal

system of cockroach .



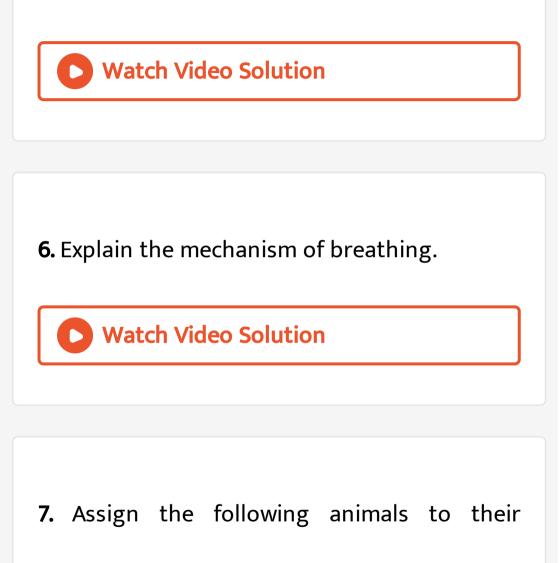


4. Explain the major events of photochemical

phase of photosynthesis.



glycolysis?



respective phylum.

Comb jellies



8. Assign the following animals to their

respective phylum.

Pila



9. Assign the following animals to their respective phylum.

Planaria





10. Assign the following animals to their respective phylum.

Ascaris

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11. Assign the following animals to their respective phylum.

Star fish

12. Assign the Sycon to their respective phyla.

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13. Write any four salient features of class

Aves.

14. What is aestivation? Mention any four

types with one example for each.



15. With the schematic representation explain

Calvin Cycle.



16. Sketch and label the structure of nephron.



17. What is ECG? Explain it with the graphical

presentation of a standard ECG.