



- (2) Arrange the steps in correct order to demonstrate that carbon dioxide is produced during respiration.
- (i) Soak gram seeds overnight and place in a conical flask
  - (ii) Fit a cork and U tube on the conical flask
  - (iii) Suspend a test tube containing KOH
  - (iv) Keep the set up undisturbed
- (a) I - ii - iii - iv                      (b) I - ii - iv - iii  
(c) I - iii - ii - iv                      (d) I - iii - iv - ii
- (3) ..... hormones promote cell division.
- (a) Auxins                                      (b) Abscissic acid  
(c) Gibberellins                              (d) Cytokinins
- (4) Ankita bought glucose powder. She felt it was adulterated with starch powder. How should she test it ?
- (a) by sieving                                      (b) by dissolving in water  
(c) by iodine test                                      (d) all of these
- (5) Fermentation is a type of .....
- (a) aerobic respiration                      (b) anaerobic respiration  
(c) exothermic reaction                      (d) none of these

**Q.3. Answer the following in short : (Any 5)**

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- (1) Describe the mechanism of breathing in human beings.
- (2) What happens to the food in the large intestine ?
- (3) Describe the exchange of gases in aquatic animals.
- (4) Draw neat and labelled diagram Human excretory system.
- (5) Give scientific reason :  
Insulin plays an important role in controlling the sugar level of blood.
- (6) Draw neat and labelled diagrams of Neuron.
- (7) What is sustainable use?

**Q.4. Answer the following in brief : (Any 5)**

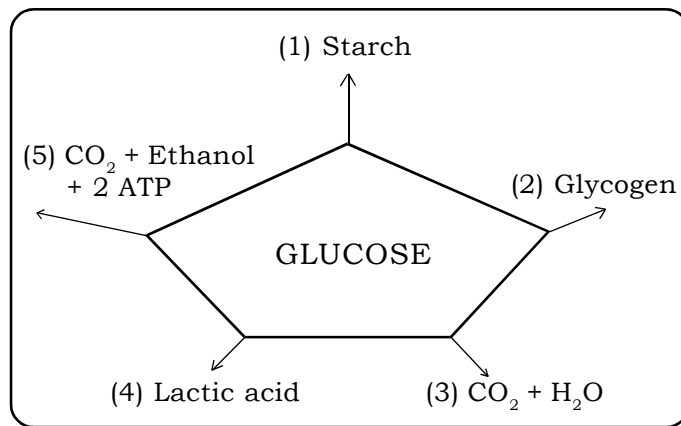
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- (1) How is water transported from roots to the aerial parts in plants?
- (2) Write a note on Lymph.
- (3) Describe the movements in plants which are growth independent.
- (4) Describe Reflex action.
- (5) State work of WBCSD.
- (6) Write the objectives of The Water Act.
- (7) Write a note on Blood pressure.

**Q.5. Answer in detail : (Any 1)**

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- (1) Given below are the end products of different reactions involving glucose. Write the reaction number in front of the following:



- (a) Anaerobic reaction .....
- (b) Reaction in human muscles .....
- (c) Aerobic respiration .....
- (d) Reaction in plant cell .....
- (e) Reaction in Liver .....

- (2) With the help of a diagram explain the structure and function of a nephron.

*Best Of Luck* 🍀