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NEET RESPIRATION IN PLANTS — GLYCOLYSIS — PYQS

Max. Marks: 20 **Questions:** 5

Section A (MCQ) — 5 questions

Q.1 How many molecules of pyruvic acid are produced at the end of glycolysis from 206 molecules of glucose? [RE-NEET (UG) 2026]

(1) 412 (2) 206 (3) 309 (4) 103

Scan or tap for the full solution

Q.2 Given below are two statements : One is labelled as Assertion A and the other is labelled as Reason R:

Assertion (A): ATP is used at two steps in glycolysis.

Reason (R): First ATP is used in converting glucose into glucose-6-phosphate and second ATP is used in conversion of fructose-6-phosphate into fructose-1,6-bisphosphate.

In the light of the above statements, choose the correct answer from the options given below : [NEET (UG) 2023]

(1) Both A and R are true but R is NOT the correct explanation of A.

(2) A is true but R is false.

(3) A is false but R is true.

(4) Both A and R are true and R is the correct explanation of A.

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Q.3 What is the net gain of ATP when each molecule of glucose is converted to two molecules of pyruvic acid? [NEET (UG) 2022]

(1) Four (2) Six (3) Two (4) Eight

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Q.4 Conversion of glucose to glucose-6-phosphate, the first irreversible reaction of glycolysis, is catalyzed by [NEET (UG) 2019]

(1) Enolase (2) Phosphofructokinase

(3) Aldolase (4) Hexokinase

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Q.5 In glycolysis, during oxidation electrons are removed by [AIPMT 2004]

(1) ATP

(2) glyceraldehyde-3-phosphate

(3) NAD^+

(4) molecular oxygen.

Scan or tap for the full solution

ANSWER KEY

Ques.	1	2	3	4	5						
Ans.	1	4	3	4	3						