

NEET RESPIRATION IN PLANTS — THE RESPIRATORY BALANCE SHEET — PYQS

Max. Marks: 12
Questions: 3

Section A (MCQ) — 3 questions

- Q.1** How many ATP molecules could maximally be generated from one molecule of glucose, if the complete oxidation of one mole of glucose to CO_2 and H_2O yields 686 kcal and the useful chemical energy available in the high energy phosphate bond of one mole of ATP is 12 kcal? [AIPMT 2006]
- (1) 1 (2) 2 (3) 30 (4) 57

 Scan or tap for the
full solution


- Q.2** During which stage in the complete oxidation of glucose are the greatest number of ATP molecules formed from ADP? [AIPMT 2005]
- (1) Glycolysis
(2) Krebs' cycle
(3) Conversion of pyruvic acid to acetyl CoA
(4) Electron transport chain

 Scan or tap for the
full solution


- Q.3** How many ATP molecules are produced by aerobic oxidation of one molecule of glucose? [AIPMT 2002]
- (1) 2 (2) 4 (3) 38 (4) 34

 Scan or tap for the
full solution


ANSWER KEY

Ques.	1	2	3								
Ans.	4	4	3								