

PYQSide

NEET RESPIRATION IN PLANTS — THE RESPIRATORY BALANCE SHEET — PYQS

Max. Marks: 12

Questions: 3

Section A (MCQ)

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								