

Unit 6 - Week 5

Course outline

How to access the portal?

Week 1

Week 2

Week 3

Week 4

Week 5

● Lecture 21 : Cytochrome C-oxidase

● Lecture 22 : Systematic variations in O-O stretch in Iron-oxo-copper ligand complex

○ Lecture 23 : Mononuclear nonheme iron (NHI) enzymes

● Lecture 24 : Alpha-Keto Glutarate dependent Halogenases

● Lecture 25 : Cytochrome P450-Part I-Introduction

○ Quiz : Week 5 Assignment 5

○ Assignment 5 solution

○ Weekly Feedback

Week 6

Week 7

Week 8

Weekly Feedback

Text Transcription

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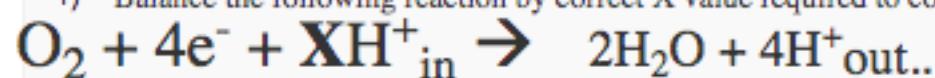
Week 5 Assignment 5

The due date for submitting this assignment has passed.
As per our records you have not submitted this assignment.

Due on 2019-09-04, 23:59 IST.

Week 5 Assignment 5

1) Balance the following reaction by correct X value required to convert molecular oxygen into water by Cytochrome C Oxidase. 1 point



- 2
 4
 8
 6

No, the answer is incorrect.
Score: 0

Accepted Answers:
8

2) Mononuclear nonheme iron enzymes involves porphyrins? 0 points

- True
 False

No, the answer is incorrect.
Score: 0

Accepted Answers:
True

3) In Oxygenase enzymes O atom from O₂ are found in the product. 1 point

- True
 False

No, the answer is incorrect.
Score: 0

Accepted Answers:
True

4) Porphyrin is found in alpha-ketoglutarate dependant hydroxylase enzyme? 1 point

- True
 False

No, the answer is incorrect.
Score: 0

Accepted Answers:
False

5) Alpha keto glutarate is used as substrate along with following substrate in alpha-ketoglutarate dependant hydroxylase oxidation. 1 point

- Oxygen
 Halogen
 Sulfur
 None

No, the answer is incorrect.
Score: 0

Accepted Answers:
Oxygen