

Unit 7 - Week 6

Course outline

How to access the portal?

Week 1

Week 2

Week 3

Week 4

Week 5

Week 6

- Lecture 26 : Cytochrome P450-Part II-Reactions
- Lecture 27 : Cytochrome P450-Part III- Mechanism
- Lecture 28 : Cytochrome P450- Part IV- Role of Cystine ligand and distal charge relay
- Lecture 29 : Methane monooxygenase
- Lecture 30 : Dinuclear Iron active sites for CH₄ to CH₄OH conversion & its Mechanism

- Quiz : Week 6 Assignment 6
- Week 6 Assignment 6 solution
- Weekly Feedback

Week 7

Week 8

Weekly Feedback

Text Transcription

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Week 6 Assignment 6

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

Due on 2019-09-11, 23:59 IST.

Week 6 Assignment 6

1) Which ligand (amino acid) attached close to porphyrin ring in cytochrome P450 ?

1 point

- Cysteine
- Histidine
- Aspartate
- None

No, the answer is incorrect.
Score: 0

Accepted Answers:
Cysteine

2) Which is metal present in Cytochrome P450?

1 point

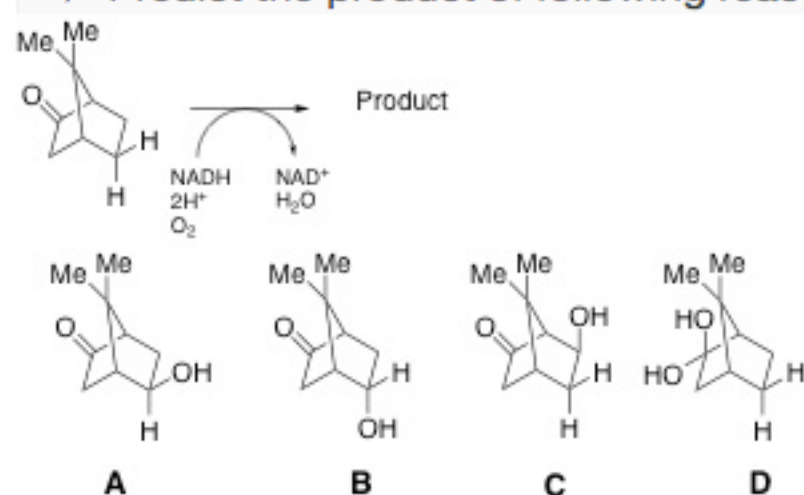
- Fe
- Cu
- Co
- Mn

No, the answer is incorrect.
Score: 0

Accepted Answers:
Fe

3) Predict the product of following reaction.

1 point



- A
- B
- C
- D

No, the answer is incorrect.
Score: 0

Accepted Answers:
A

4) The Cystiene thiolate (proximal ligand) provide strong axial donation to the iron centre is refered as big push and facilitates O-O cleavage.

1 point

- True
- False

No, the answer is incorrect.
Score: 0

Accepted Answers:
True

5) Function of enzyme catalase is

1 point

- Decomposition of H₂O
- Decomposition of H₂O₂
- Formation of H₂O₂
- None

No, the answer is incorrect.
Score: 0

Accepted Answers:
Decomposition of H₂O₂