

Unit 9 - Week 8

Course outline

How to access the portal?

Week 1

Week 2

Week 3

Week 4

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Week 6

Week 7

Week 8

Lecture 36 : Summary of Dioxygen reactivity in copper

Lecture 37 : Summary of Dioxygen reactivity in iron

Lecture 38 : Summary of Fe-O₂ chemistry

Quiz : Week 8 Assignment 8

Weekly Feedback

Week 8 Assignment 8 solution

Weekly Feedback

Text Transcription

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Week 8 Assignment 8

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

Due on 2019-09-25, 23:59 IST.

Week 8 Assignment 8

1) How many copper centres and histidine units are present in Hemocyanin?

1 point

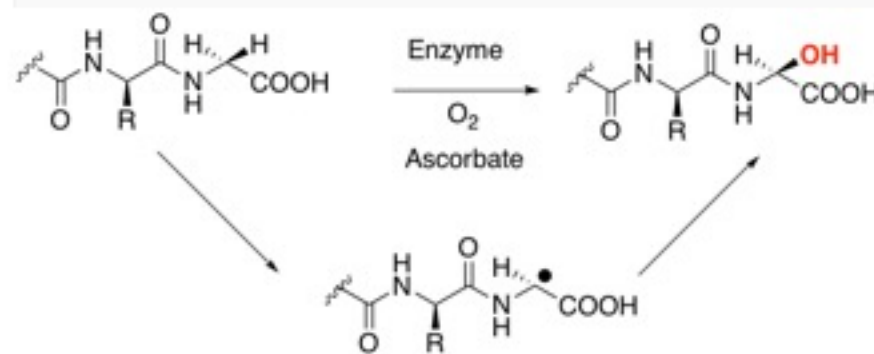
- 2 copper centres with 4 histidine on each of them.
 2 copper centres with 3 histidine on each of them.
 3 copper centres with 3 histidine on each of them.
 1 copper centres with 2 histidine on each of them.

No, the answer is incorrect.
Score: 0

Accepted Answers:
2 copper centres with 3 histidine on each of them.

2) Name the enzyme in following conversion?

1 point



- Cytochrome P₄₅₀
 Hemocyanin
 Peptidylglycine alpha-Hydroxylating Monooxygenase (PHM)
 Dopamine beta-Monooxygenase

No, the answer is incorrect.
Score: 0

Accepted Answers:
Peptidylglycine alpha-Hydroxylating Monooxygenase (PHM)

3) How many histidine units are presents in deoxyhemerythrin?

1 point

- 4
 5
 3
 6

No, the answer is incorrect.
Score: 0

Accepted Answers:
5

4) Cytochrome C Oxidase is a non-heme copper oxidase enzyme used to convert methane to methanol. True or False.

1 point

- True
 False

No, the answer is incorrect.
Score: 0

Accepted Answers:
False

5) What would be the reactivity preference in *sp*³ aliphatic substrate containing primary, secondary and tertiary C-H bonds?

1 point

- 1° > 2° > 3°
 3° > 2° > 1°
 2° > 1° > 3°
 3° > 1° > 2°

No, the answer is incorrect.
Score: 0

Accepted Answers:
3° > 2° > 1°