

Test: Protein Analysis Test

Class: CHE 504

Student: Noble Sandoval

Created by: Gwendolyn Weaver

Date Created: 12th May, 2025

Test Description:

The test is about the first chapter of the textbook

75% Answered | 100% Marked

Test Score:

75%

Total Questions: 8

Question #1

What is the color change observed in the Biuret test for proteins?

2 marks

Student's answer: Violet

Teacher's mark:

Correct

Question #2

Which element is specifically detected in the Xanthoproteic test?

2 Marks

Student's answer: Nitrogen

Teacher's mark:

Correct

Question #3

What reagent is used in the Kjeldahl method for protein quantification?

2 Marks

Student's answer: Sulfuric Acid

Teacher's mark:

Correct

Question #4

Which test is used to detect peptide bonds in proteins?

2 Marks

Teacher's mark:

Correct

Question #5

Which amino acid is primarily responsible for the color in the Xanthoproteic test?

2 Marks

Teacher's mark:

Correct

Question #6

Discuss the limitations of colorimetric protein estimation techniques.

10 Marks

Student's answer:

Teacher's mark:

Wrong

Question #7

Which of the following methods estimates nitrogen content to infer protein concentration?

Teacher's mark:

Correct

Question #8

Explain the principle of the Kjeldahl method for protein determination.

10 Marks

Student's answer:

Teacher's mark:

Wrong
