

Student name:
Student number:

Quiz- Protein

Q1: Write T for True and F for False answers with correcting the false ones.

1. Each amino acid is connected to the next by a **peptide bond**. (**T**)
2. The **simplest** amino acid is **Alanine**. (**f**) **Glycine**
3. People with PKU lack sufficient amounts of phenylalanine. (**f**) **an enzyme (phenylalanine hydroxylase) that converts phenylalanine to tyrosine**
4. Kwashiorkor is the deficiency of primarily energy providing foods(**F**). **Marasmus**
5. If nitrogen intake equals nitrogen excretion, nitrogen balance is zero and the body is in nitrogen equilibrium.(**f**) **negative nitrogen balance.**

Q2: fill in the blanks:

1. Essential amino acids are and
2. Nonessential amino acids..... and
3. Conditional essential amino acids **Tyrosine and cystine**
4. The other name of **Incomplete protein** is **low-quality protein**
5. The emaciated condition of the body and general ill health resulting from these and other diseases is also called **cachexia**.

Essential amino acids

Nonessential amino acids

12. *Histidine*

13. *Isoleucine*

14. *Leucine*

15. *Lysine*

16. *Methionine*

17. *Phenylalanine*

18. *Threonine*

19. *Tryptophan*

20. *Valine*

1. *Alanine*

2. *Arginine*

3. *Asparagine*

4. *Aspartic*

5. *Cysteine*

6. *Glutamic acid*

7. *Glutamine*

8. *Glycine*

9. *Proline*

10. *Serine*

11. *Tyrosine*