

Archive Subject

Collected by



ARCHIVE MAKEUP BIOCHEM, WAREED

1-Pepsin, an enzyme found in the stomach acts best at PH=2 , but it's not active at PH=7, Why?

*** The optimal PH helps to maintain the tertiary structure of the enzyme.

2-During feedback inhibition , in order to slow or stop an enzyme from using a biochemical pathway , the end product ?

*** Accumulates inside the cell.

3-What of the following is true about phosphorylation?

****covalent modulation

4-which one of these Lipids acts as fuel for the body ?

a) Triacylglycerol

b) cholesterol

5-If the Normality=3 of the H₂CO₄ ,the Mortality is?

a) 1.5

b) 1.8

- c) 3
- d) 2

6-If the Mortality =6 , the Normality of H₂PO₄ is?

- a) 15
- b) 19
- c) 18
- d) 14

7-Chaperones?

***help new protein fold correctly and repair incorrectly folded protein

8-One of the following is not a manifestation for vitamin B12 ?

- a) macrocytic megaloblastic anemia
- b) methylmalonic aciduria
- c) premature atherosclerosis
- d) looseness of teeth

9-All of the following are present in the skin , except?

**Dermatan sulfate and Hyaluronic acid

10-An amino acid is essential in pregnancy and in children ?

- a) Arginin
- a) Lysine
- b) Isoleucine
- c) glutamine

11-Which of the following pairs of solutions could be used to make a buffer ?

- a) CH_3COOH and CH_3COO^-
- b) H_3PO_4 and SO_4^-
- c) H_2CO_3 and CO_3^-

12-After entering the plasma , Iron changed from Fe^{+2} to Fe^{+3} by?

***Ceruplasmin

13-One of these reduces the absorption of Ca?

- a) Alkaline
- b) calcitriol
- c) PTH

14-The enzyme activity in the Y axis substrate in X ,if we increase the substrate?

- a) Straight horizontally
- b) zero -order reaction
- c) first-order reaction

15-Which of the following is true of enzymes that are regulated by allosteric regulators ?

***They are usually multimeric enzymes

16-What is the main component of the synovial fluid ?

*** Hyaluronic acid

17- In NIEMANN PICK disease , patients suffer from lacking in which enzyme ?

***Sphingomyelinase

18-Which process encoding directly triplet codon during mRNA ??

- a) Translation
- b) Transcription

19-The term that describes a theoretical value achieved when all enzyme substrate binding sites occupied by substrates is ?

- a) V-max
- b) Km
- c) Km and Vmax

20- Glucose gives us a positive result in all tests ,except?

- a) Swel and iodine tests
- b) Swel test
- c) iodine test

21- By electrophoresis, plasma proteins will be fractionated into ?

- a) Albumin - alpha 1- alpha2 -beta - gamma
- b) Albumin - alpha 2- alpha 1 - beta - gamma
- c) Albumin - -beta -alpha 1- alpha2 - gamma

22- A laboratory technique for the separation of a mixture using silica and helium ?

- a) Liquid chromatography
- b) Gas chromatography
- c) Thin layer chromatography
- d) Paper chromatography

GOOD LUCK

BATOOL FREHAT,Wateen

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