VU Medical Zone

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BIO 303 Final terms M.C.Q Fall 2020

1. The value of G (Gibb's free energy) is positive when the system_____ energy. **Gain**

2. DNA photolyase is the example of _____ reaction. **Free radical reaction**

3. During preparatory phase, _____molecules of ATP are invested before the cleavage of glucose into two three-carbon pieces. **2**

4. The payoff phase of glycolysis includes the energy-conserving_____. **Phosphorylation**

5. The _____technique was originally devised by yeast producers in the early 1900s. **Fed-batch**

6. Denaturation of the DNA molecule is an increase in the optical absorbance of the_____. **Nitrogenous base**

7. Induced fit serves to bring specific functional groups on the enzyme into the proper position to _____the reaction. **Catalyze**

8. Pepsin is a digestive enzyme in the stomach, is maximally active at pH_____. **2**

9. There is a linear relationship between reaction rate and _____concentration. **Enzyme**

10. Reversible inhibitors bind to enzymes through_____ bonds. **Non covalent**

11. The pH Scale is designates the concentrations of _____. H^+ and OH^-.

12. Beta-oxidation of fatty acid with odd number of carbon produces_____. **Propinyl-CoA**

13. _____allows seeds to use lipids as a source of energy to form the shoot during germination. **Kreb's cycle**

14. Before entering the Citric acid cycle_____ enter in the cycle which is produced by breakdown from the Glucose. **Acetyl coA**

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