

1) Describe the process of photosynthesis, including the light-dependent and light-independent reactions, and the factors that can affect its rate. (10 marks)

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2) Explain the role of enzymes in biological processes, including how factors such as temperature and pH can influence enzyme activity. (10 marks)

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3) Discuss the significance of genetic variation in a population and the mechanisms that can lead to genetic diversity. (10 marks)

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