

1. Explain the process of photosynthesis in plants. How does it contribute to the overall energy cycle in ecosystems?
2. Discuss the role of enzymes in cellular processes. Provide examples of specific enzymes and their functions.
3. Compare and contrast mitosis and meiosis. Highlight the significance of each process in the life cycle of organisms.
4. Describe the structure and function of DNA. How does genetic information get transmitted from one generation to the next?
5. Investigate the impact of human activities on biodiversity. Provide examples and suggest measures to mitigate the negative effects.