

1. Describe the process of cellular respiration and its significance in energy production. Provide examples of organisms that undergo aerobic and anaerobic respiration.
2. Discuss the role of hormones in the human body. Highlight the endocrine system's functions and how it regulates various physiological processes.
3. Compare and contrast prokaryotic and eukaryotic cells. Explain the significance of cell organelles in the overall functioning of cells.
4. Investigate the concept of natural selection and its role in the evolution of species. Provide examples and discuss the importance of adaptation in survival.
5. Analyze the structure and function of the human nervous system. How do neurons transmit signals, and what is the role of neurotransmitters?