

Assignment: science

Instructions:

- Attempt all questions.
- Some questions may have multiple parts.

Science Assignment

Short Answer Questions

What is the process by which plants convert sunlight into energy, and what is the byproduct of this process?

Describe the water cycle, including the main stages and the role of evaporation, condensation, and precipitation in this process.

Explain the concept of photosynthesis and its importance in supporting life on Earth, including the role of chlorophyll and the overall equation for photosynthesis.

Long Answer Questions

Discuss the theory of evolution through natural selection, including the key principles outlined by Charles Darwin and the evidence that supports this theory, such as the fossil record and comparative anatomy.

Describe the structure and function of the human circulatory system, including the roles of the heart, arteries, veins, and blood, and explain how this system maintains homeostasis and overall health.

Explain the concept of climate change, including the main causes, such as the increase in greenhouse gases, and the potential consequences, such as rising sea levels and more frequent natural disasters, and discuss possible strategies for mitigating its effects.