

Photosynthesis Marking Scheme:

1. Accuracy of Explanation (10 points):

- Provides a clear and accurate description of photosynthesis.
- Includes key components such as sunlight, water, carbon dioxide, glucose production, and oxygen release.
- Demonstrates understanding of the light-dependent and light-independent reactions.

2. Depth of Explanation (5 points):

- Provides additional details beyond basic concepts, such as the role of chlorophyll, the steps of the Calvin cycle, and the significance of photosynthesis for plant growth and the environment.

3. Clarity and Organization (5 points):

- Presents the explanation in a clear and organized manner, with logical flow and structure.
- Uses appropriate terminology and avoids ambiguity.

4. Incorrect Statement (5 points):

- Deducts points for any incorrect statement provided in the answer.

Total: 25 points

Largest Creature Marking Scheme:

1. Identification of the Blue Whale (10 points):

- Accurately identifies the blue whale as the largest creature on Earth.
- Provides the approximate size and weight of the blue whale.

2. Accuracy of Information (5 points):

- Provides correct information about blue whales being mammals and giving birth to live young.
- Correctly identifies baleen plates as the feeding mechanism of blue whales.

3. Incorrect Statements (10 points):

- Identifies two incorrect statements provided in the answer.
- Explains why each statement is incorrect.

4. Clarity and Organization (5 points):

- Presents the answer in a clear and organized manner, with proper formatting and structure.

Total: 30 points