

Question 1.

Question: Define the term "cell." (1 mark)

Instructions to marker:

Accurate Definition (1 mark): Award the full mark if the student provides a correct and concise definition of a cell. An ideal answer should include the notion that a cell is the basic unit of life, forming the structural and functional unit of all living organisms. It may also be acceptable if a student describes it as the smallest unit that can perform all life processes. Additional details, such as mentioning that cells are enclosed by a membrane and contain cytoplasm and organelles, can enhance the answer but are not necessary for the single mark.

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Question: List the main differences between plant cells and animal cells. (3 marks)

Instructions to marker: Presence of Cell Wall (1 mark): Award 1 mark for correctly stating that plant cells have a cell wall, while animal cells do not. This point correctly identifies one of the fundamental structural differences between plant and animal cells. Presence of Chloroplasts (1 mark): Award 1 mark for the correct identification that plant cells contain chloroplasts, which are absent in animal cells. This point highlights a key difference related to the function of photosynthesis exclusive to plant cells. Presence of Lysosomes (1 mark): Award 1 mark for noting that animal cells often have lysosomes, which are rarely found in plant cells. This is a valid distinction, although it is more nuanced than the first two points, as lysosomes can occasionally be found in plant cells, but they are much more common and prominent in animal cells.