

QUESTION

1. The following diagram shows the structure of a cell wall. The cell wall is made of cellulose, which is a polysaccharide. The cellulose molecules are arranged in a regular, repeating pattern, forming a mesh-like structure. This structure provides the cell with strength and rigidity, preventing it from bursting or collapsing. The cellulose molecules are linked together by hydrogen bonds, which are weak chemical bonds that can be broken and reform easily. This allows the cell wall to be flexible and able to stretch and contract as needed. The cell wall also acts as a barrier, preventing the entry of harmful substances and the exit of essential nutrients. The cell wall is a vital component of the cell's structure and function.

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