

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 strength and rigidity to the cell wall, preventing the cell 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 against pathogens and other harmful substances, protecting the cell from damage.

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