

# 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 is responsible for the strength and rigidity of the cell wall.

2. The diagram also shows the presence of lignin, a complex organic polymer that is deposited in the cell wall. Lignin acts as a glue, binding the cellulose fibers together and providing additional strength and rigidity to the cell wall.



3. The diagram also shows the presence of pectin, a polysaccharide that is deposited in the cell wall. Pectin acts as a glue, binding the cellulose fibers together and providing additional strength and rigidity to the cell wall.

4. The diagram also shows the presence of hemicellulose, a polysaccharide that is deposited in the cell wall. Hemicellulose acts as a glue, binding the cellulose fibers together and providing additional strength and rigidity to the cell wall.