



The cell wall is the outermost layer of the cell, providing structural support and protection. It is composed of cellulose, hemicellulose, and pectin. The cell membrane is the inner layer, which is semi-permeable and allows for the transport of substances in and out of the cell. The nucleus is the control center of the cell, containing the cell's genetic material (DNA) and a nucleolus. The vacuole is a large, fluid-filled space that helps maintain the cell's turgor pressure and stores various substances. The cytoplasm is the fluid-filled space between the cell membrane and the nucleus, containing various organelles and molecules.

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PLANT CELL



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