

Diagram referenced as "DNA stages in the formation of plant cell walls. The middle lamella"

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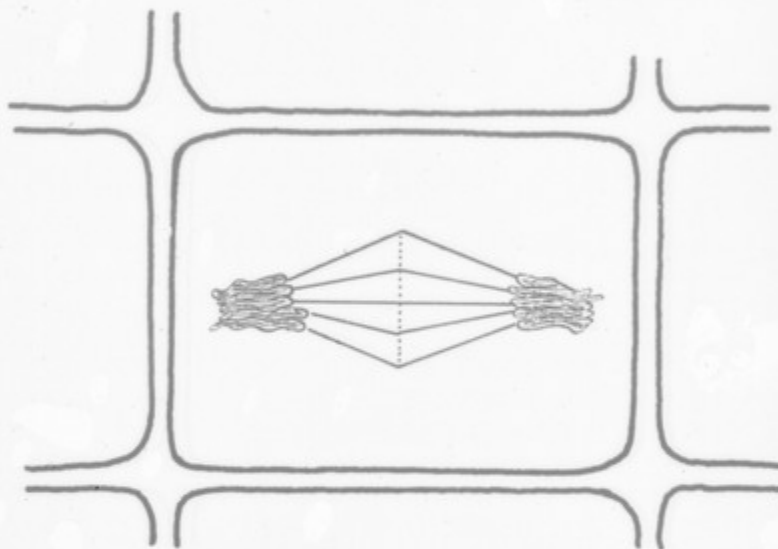
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STAGES IN THE FORMATION OF PLANT CELL WALLS

1. THE MIDDLE LAMELLA.



FORMATION OF MIDDLE LAMELLA. PRODUCED AT EQUATORIAL PLATE PROBABLY BY PRECIPITATION OF DROPLETS OF PECTIN (OR PECTIC MATTER) WHICH MOVE DOWN THE SPINDLE TO THE PLATE AND ARE PRECIPITATED AS 'CALCIUM PECTATE' BY CALCIUM IONS PRESENT ON THE PLATE. AS THE PHRAGMAPLAST FORMS (i.e. SPINDLE EXTENDS TO THE WALL) SO DOES THIS MIDDLE LAMELLA.