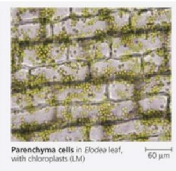
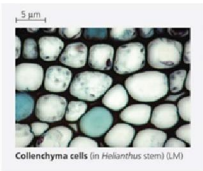
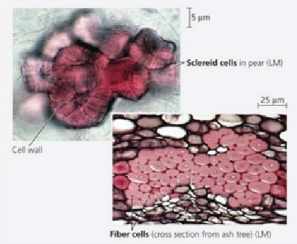
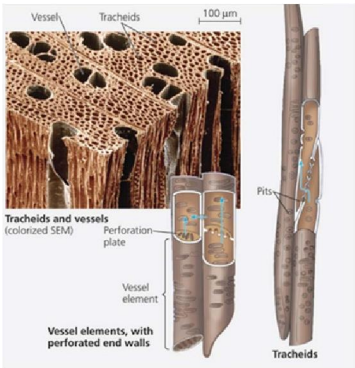
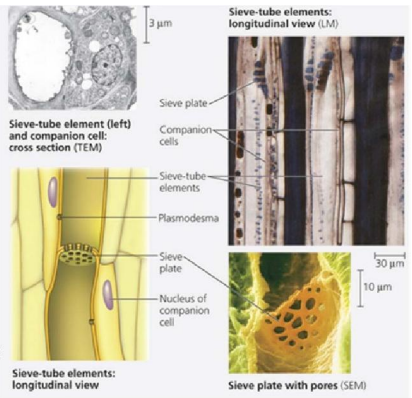


Using figure 35.10 on page 778 and 779 of the textbook and the lecture notes fill in details about the different types of plant cells.

Paranchyma	Collenchyma	Sclerenchyma	Xylem Tracheids and vessel elements	Phloem Sieve-tube members and companion cells
<div><p>Paranchyma cells in lily leaf, with chloroplasts (LM)</p><p>60 μm</p></div>	<div><p>Collenchyma cells (in Helianthus stem) (LM)</p><p>5 μm</p></div>	<div><p>Sclereid cells in pear (LM)</p><p>Cell wall</p><p>5 μm</p><p>25 μm</p><p>Fiber cells (cross section from ash tree) (LM)</p></div>	<div><p>Vessel</p><p>Tracheids</p><p>100 μm</p><p>Tracheids and vessels (colorized SEM)</p><p>Perforation plate</p><p>Vessel element</p><p>Vessel elements, with perforated end walls</p><p>Pits</p><p>Tracheids</p></div>	<div><p>Sieve-tube element (left) and companion cell: cross section (TEM)</p><p>3 μm</p><p>Sieve-tube elements: longitudinal view (LM)</p><p>Sieve plate</p><p>Companion cells</p><p>Sieve-tube elements</p><p>Plasmodesma</p><p>Sieve plate</p><p>Nucleus of companion cell</p><p>30 μm</p><p>10 μm</p><p>Sieve-tube elements: longitudinal view</p><p>Sieve plate with pores (SEM)</p></div>