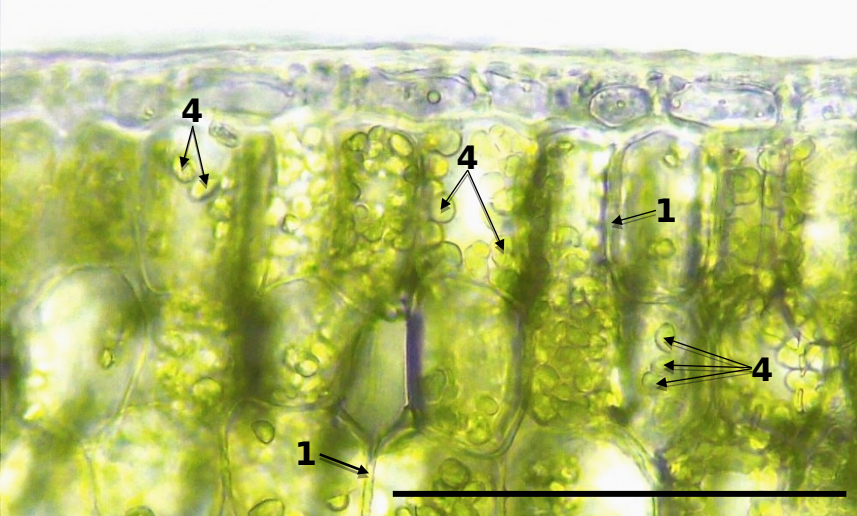
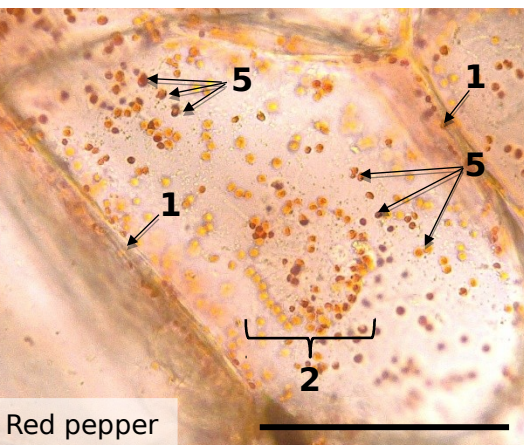


Organelles

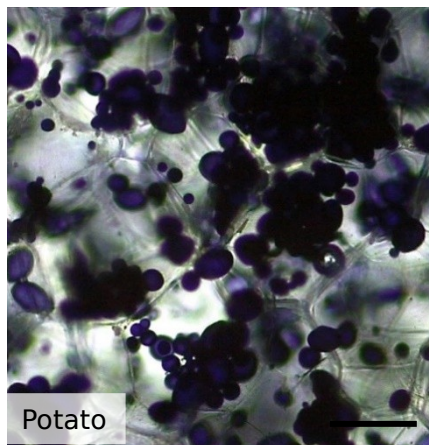
1. Cell wall
2. Nucleus
3. Vacuole
4. Chloroplast
5. Chromoplast
6. Amyloplast



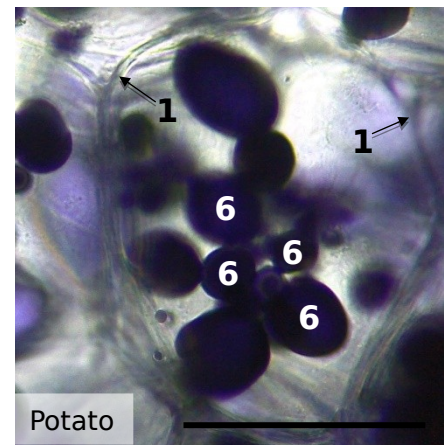
Bar = 100 μ m  on Lai and Carol Wenzel. 2020



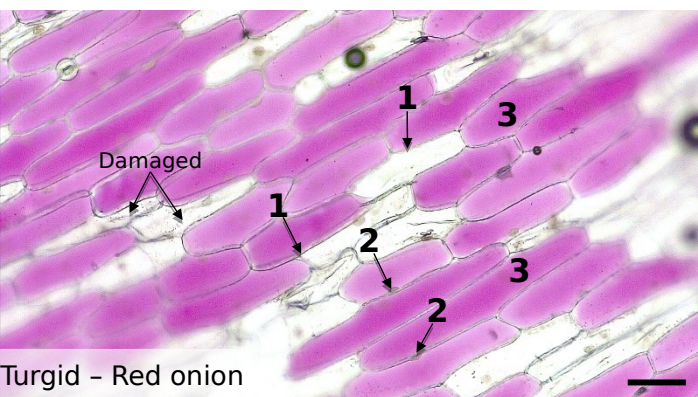
Red pepper



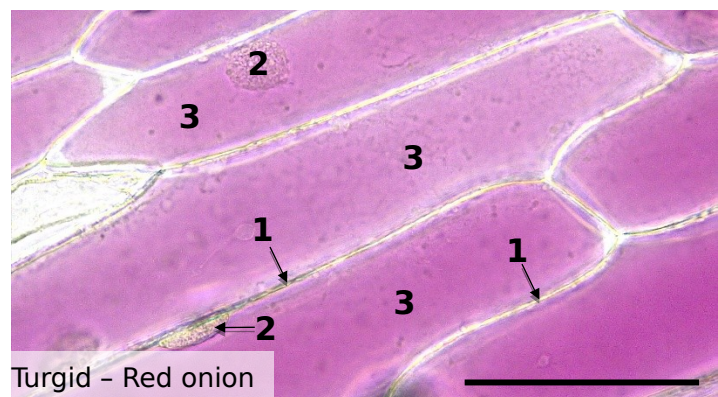
Potato



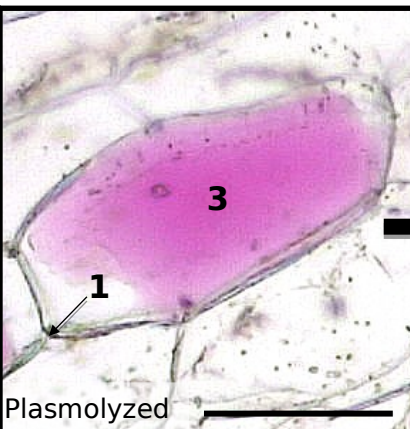
Potato



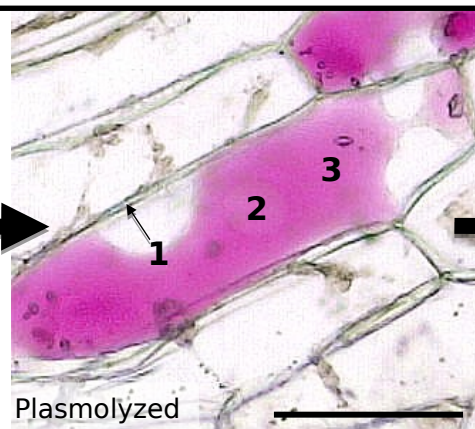
Turgid - Red onion



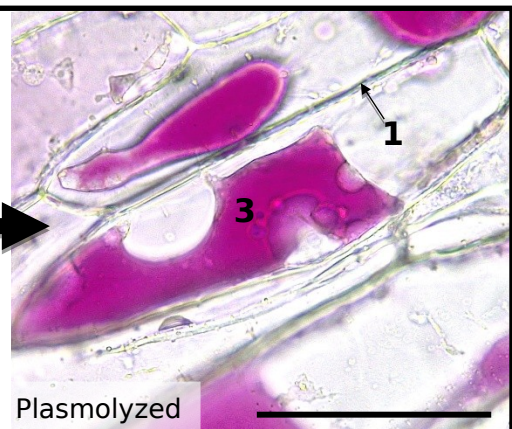
Turgid - Red onion



Plasmolyzed



Plasmolyzed



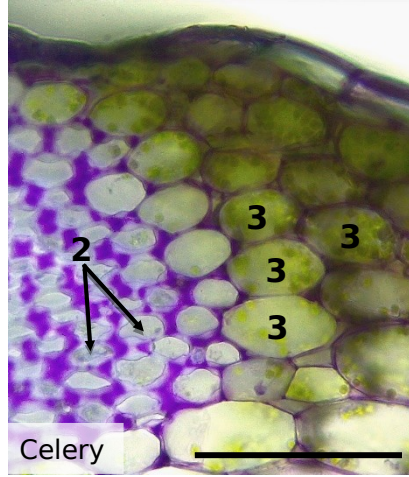
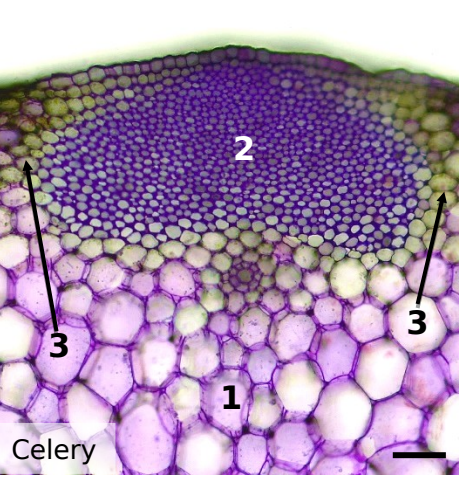
Plasmolyzed

Progressive Plasmolysis

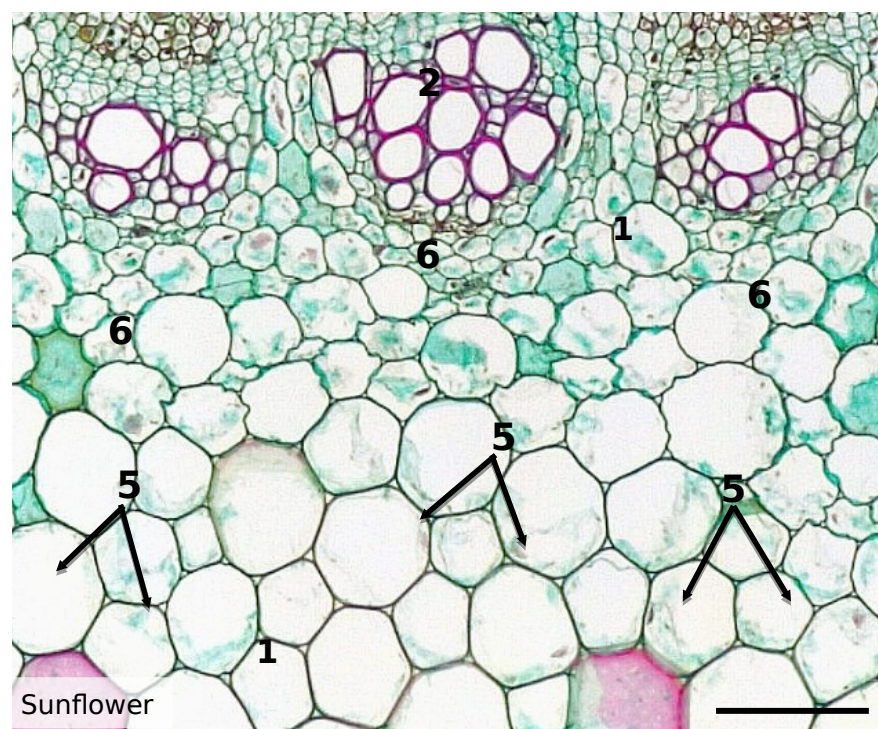
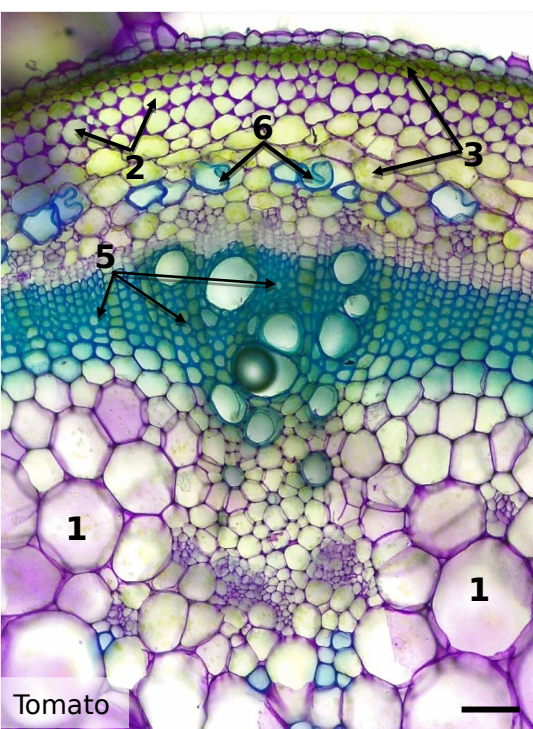
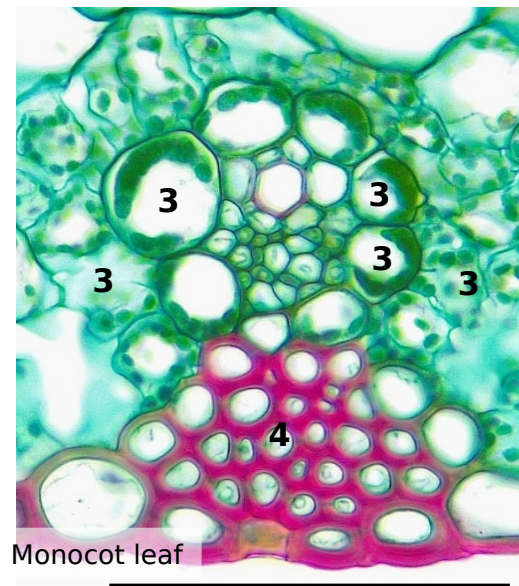
Cell Types

1. Parenchyma
2. Collenchyma
3. Chlorenchyma
4. Sclerenchyma
5. Xylem sclerenchyma/fiber
6. Phloem sclerenchyma/fiber

Transverse sections



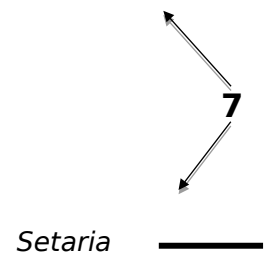
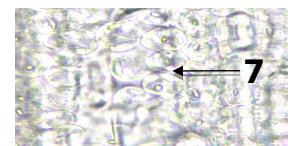
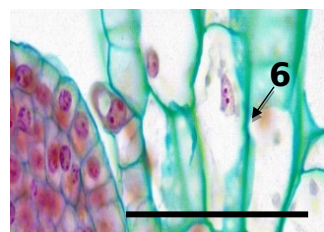
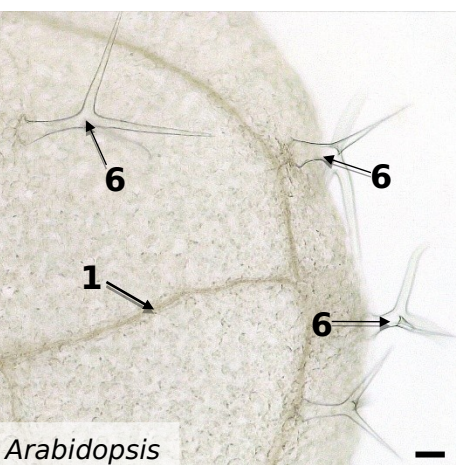
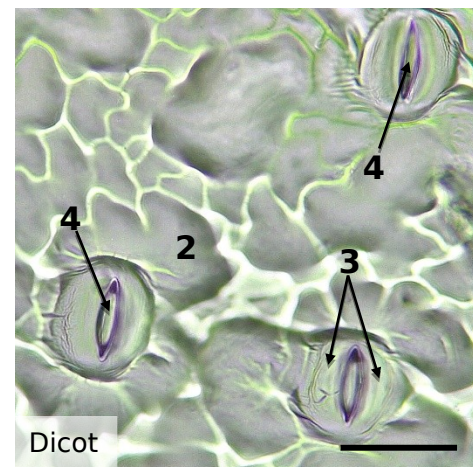
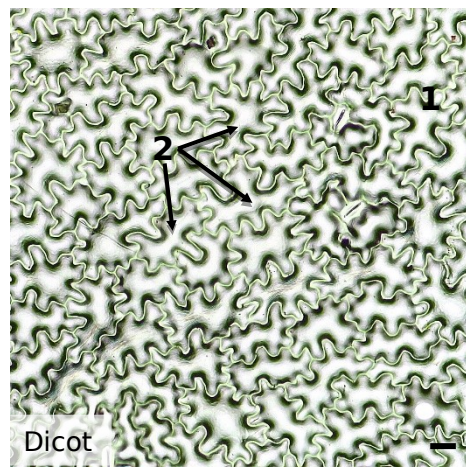
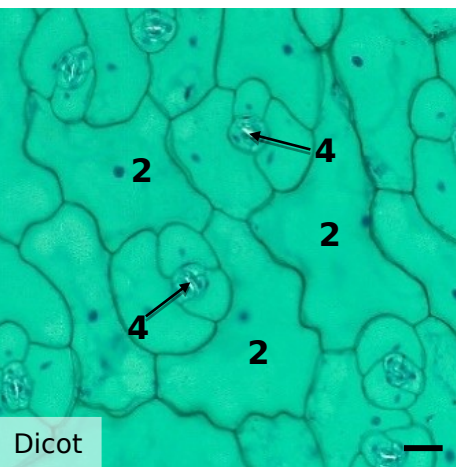
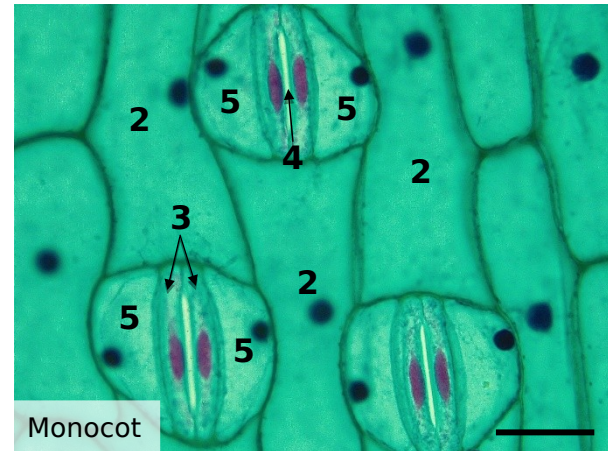
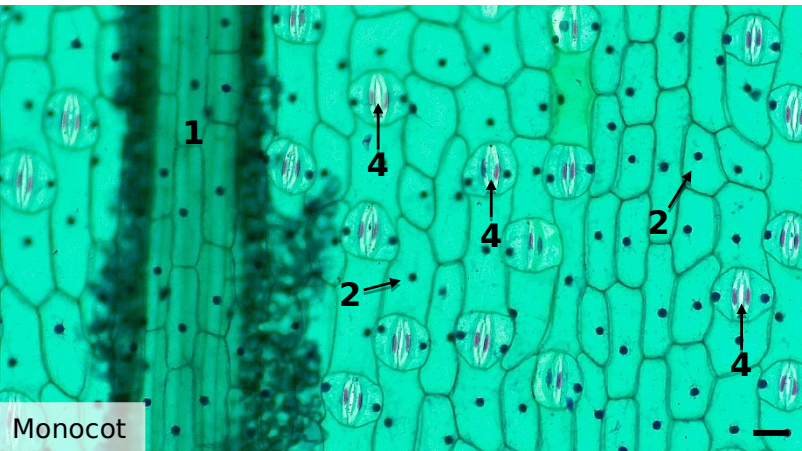
Bar = 100 μ m  on Lai and Carol Wenzel. 2020



Angiosperm Leaf

1. Vein
2. Epidermal cell
3. Guard cell
4. Stoma
5. Subsidiary cell
6. Trichome
7. Leaf tooth

Monocot vein - *Setaria*Dicot vein - *Arabidopsis*Bar = 50 μ m

 on Lai and Carol Wenzel. 2020


Xylem Maturation

1. Annular 2° wall thickening
2. Spiral 2° wall thickening
3. Scleriform 2° wall thickening
4. Simple pitted 2° wall thickening
5. Bordered pitted 2° wall thickening
6. Cell wall pit
7. Mature protoxylem
8. Immature metaxylem
9. Mature metaxylem

Longitudinal sections
unless otherwise stated

Bar = 20 μ m

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