

Leaves - Evaluate

Epidermis

- | | | | |
|---|--|---|--|
| ☐ Thick | ☐ Thin | ☐ Beaded | ☐ Straight |
| ☐ Wavy | ☐ Polygonal cells | ☐ Anticlinical walls | ☐ Striated cuticle |
| ☐ Devoid of stomata | ☐ Slightly sinuous walled | ☐ Hexagonal cells | ☐ Lignified wall |
| ☐ Dome shaped papillae | ☐ Papillose cells | ☐ Lignified pith cells | ☐ Rectangular cells |

Stomata

- | | | | |
|-------------------------------------|-------------------------------------|------------------------------------|--------------------------------------|
| ☐ Anomocytic | ☐ Anisocytic | ☐ Paracytic | ☐ Diacytic |
| ☐ Tetracytic | ☐ Cyclocytic | ☐ Hexacytic | ☐ Actinocytic |
| ☐ Sunken | | | |

Trichomes

- ☐ N/A

Calcium oxalate Crystals

- | | | | |
|---|-------------------------------------|-------------------------------------|--|
| ☐ N/A | ☐ Prismatic | ☐ Clusters | ☐ Rosettes |
| ☐ Acicular | ☐ Sandy | ☐ Needles | ☐ Crystal layer |
| ☐ Crystal sheath | ☐ Idioblasts | ☐ Rod shaped | ☐ Diamond shaped idioblasts |

Fibers

- | | | | |
|---|---|---------------------------------------|---------------------------------------|
| ☐ N/A | ☐ Isolated | ☐ Group | ☐ Thick walled |
| ☐ Thin walled | ☐ Longitudinally cut | ☐ Narrow lumen | ☐ Wide lumen |
| ☐ Slit like pits | | | |

Calcium carbonate crystals or cystoliths

- | | | | |
|---------------------------------------|---|--------------------------------|--------------------------------------|
| ☐ Cigar shaped | ☐ Longitudinally cut | ☐ Warty | ☐ Cylindrical |
| ☐ N/A | | | |

Cell contents

- | | | | |
|--|--------------------------------------|--|--|
| ☐ Volatile oil | ☐ Mucilage | ☐ Tannin cell | ☐ Yellowish pigment |
| ☐ Fatty oil globule | ☐ Resin ducts | ☐ Brownish matter | |

Lactiferous canals

- | | | | |
|------------------------------------|----------------------------------|---|---|
| ☐ Elongated | ☐ Tubular | ☐ Yellowish granular latex | ☐ Long septate fragments |
|------------------------------------|----------------------------------|---|---|

Covering Trichomes

- | | | | |
|---|--|--|--|
| ☐ Few | ☐ Abundant | ☐ Simple | ☐ Branched |
| ☐ Straight | ☐ Bent/curved | ☐ Irregularly bent | ☐ Twisted |
| ☐ Short | ☐ Long | ☐ Thick walled | ☐ Striated walls |
| ☐ Warty | ☐ Pointed apex | ☐ Unicellular | ☐ Multicellular |
| ☐ Uniseriate | ☐ Biseriate | ☐ Cicatrix | ☐ Shaggy wooly |
| ☐ Conical | ☐ Cystolithic | ☐ Stellate | ☐ Spear shaped |
| ☐ Hook shaped | ☐ Sickle shaped | ☐ Narrow neck | ☐ Oval inflated apical cell |
| ☐ Pedestial base | ☐ Swollen base | ☐ Thread like terminals | |

- | | | | |
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Glandular Trichomes

- | | | | |
|---|--|---|---|
| ☐ Sessile | ☐ Short Stalk unicellular | ☐ Stalk multicellular | ☐ Bicellular cylindrical stalk |
| ☐ Head unicellular | ☐ Oval multicellular head | ☐ Oval bicellular head | ☐ 8-12 celled head |
| ☐ Cup-shaped head | ☐ Globular head | | |

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