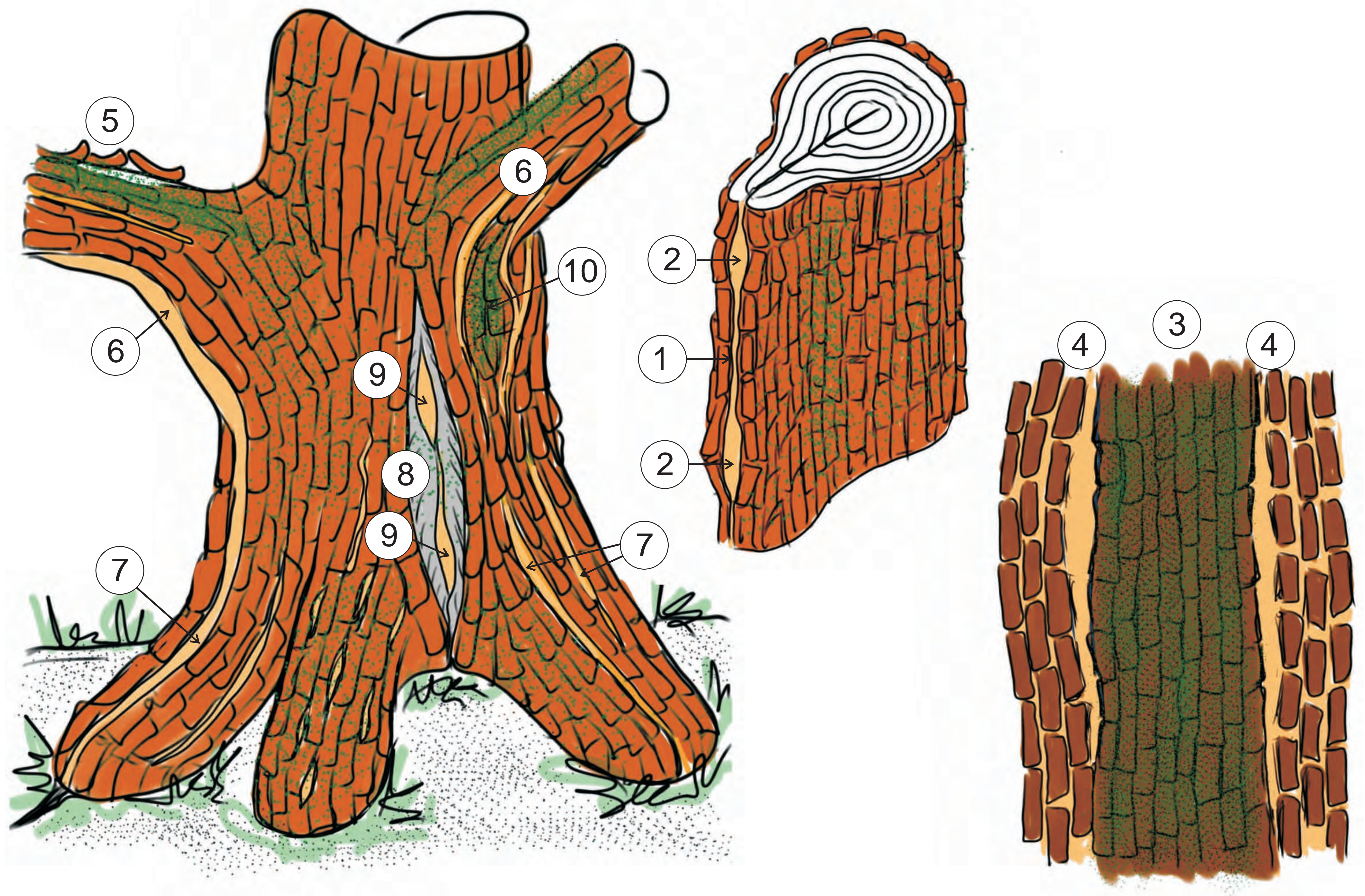


# 10 VTA - Symptoms

## Growth striations and bark aspects

C. Mattheck, K. Bethge, K. Weber



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|--|---|
| <ol style="list-style-type: none"> <li>1. Small growth striations indicating little or no crack propagation</li> <li>2. Recent crack propagation, quick growth</li> <li>3. No growth, dead cambium, loose bark</li> <li>4. Much growth</li> <li>5. Loose bark, tensile overload due to subsidence of branch</li> </ol> | <ol style="list-style-type: none"> <li>6. Supporting wood growth</li> <li>7. Busy root adapts to increased load</li> <li>8. Shear bomb rib</li> <li>9. Sudden growth due to recent crack propagation</li> <li>10. Suppressed cambium, reduced growth</li> </ol> |
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