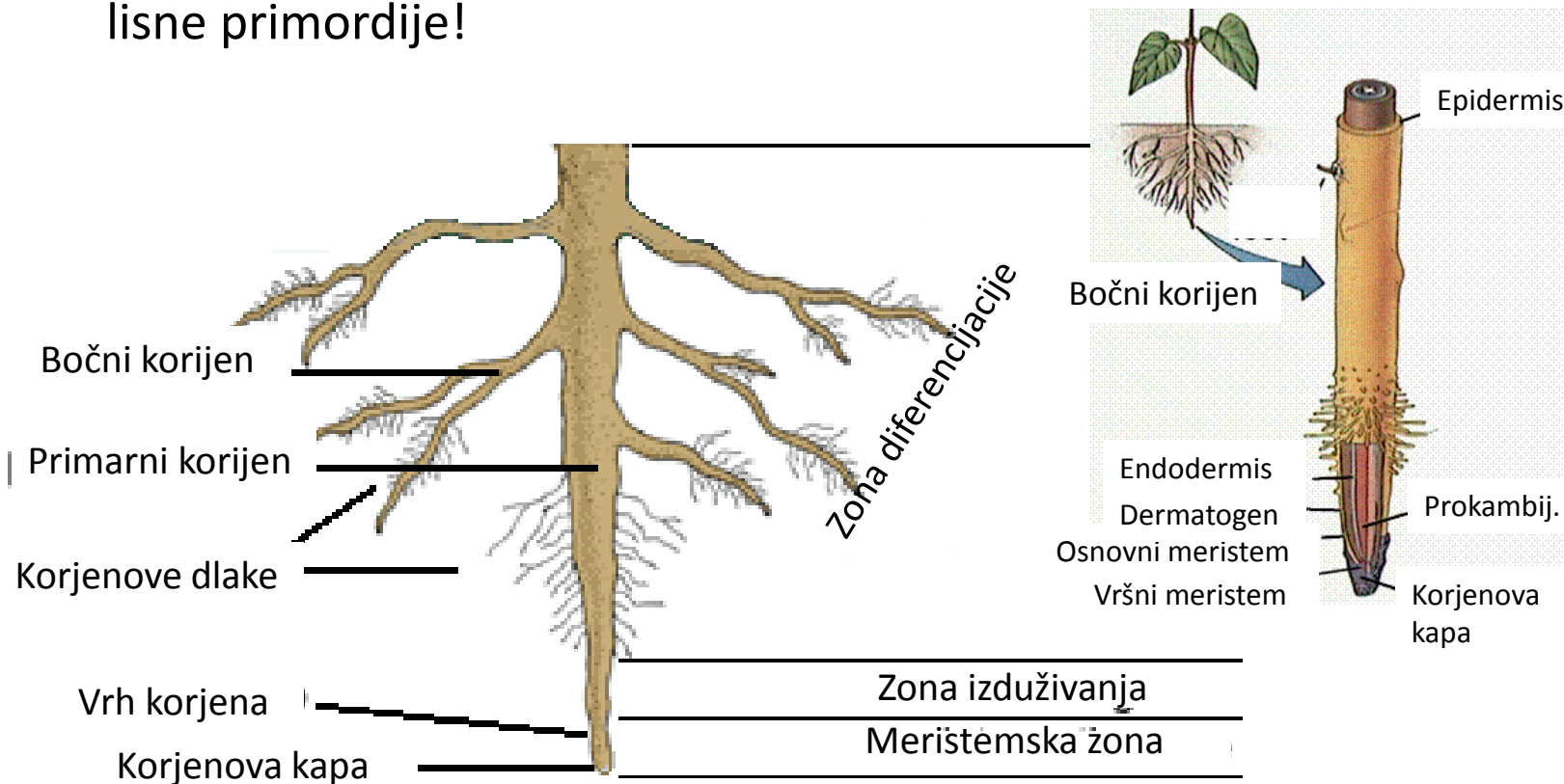
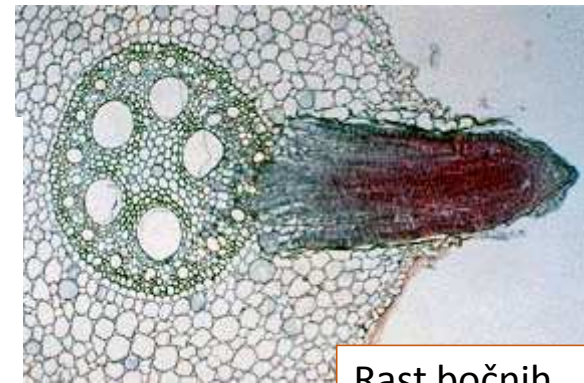
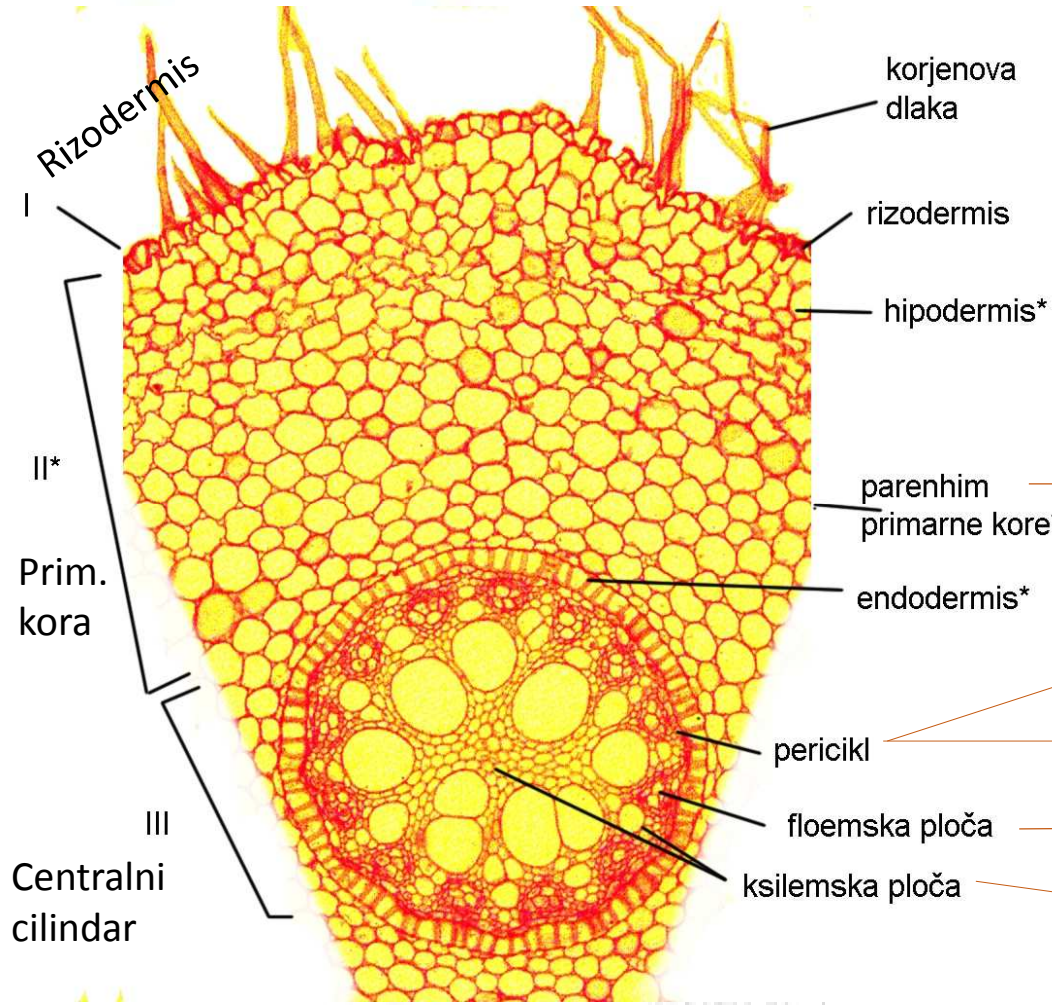


Korijen

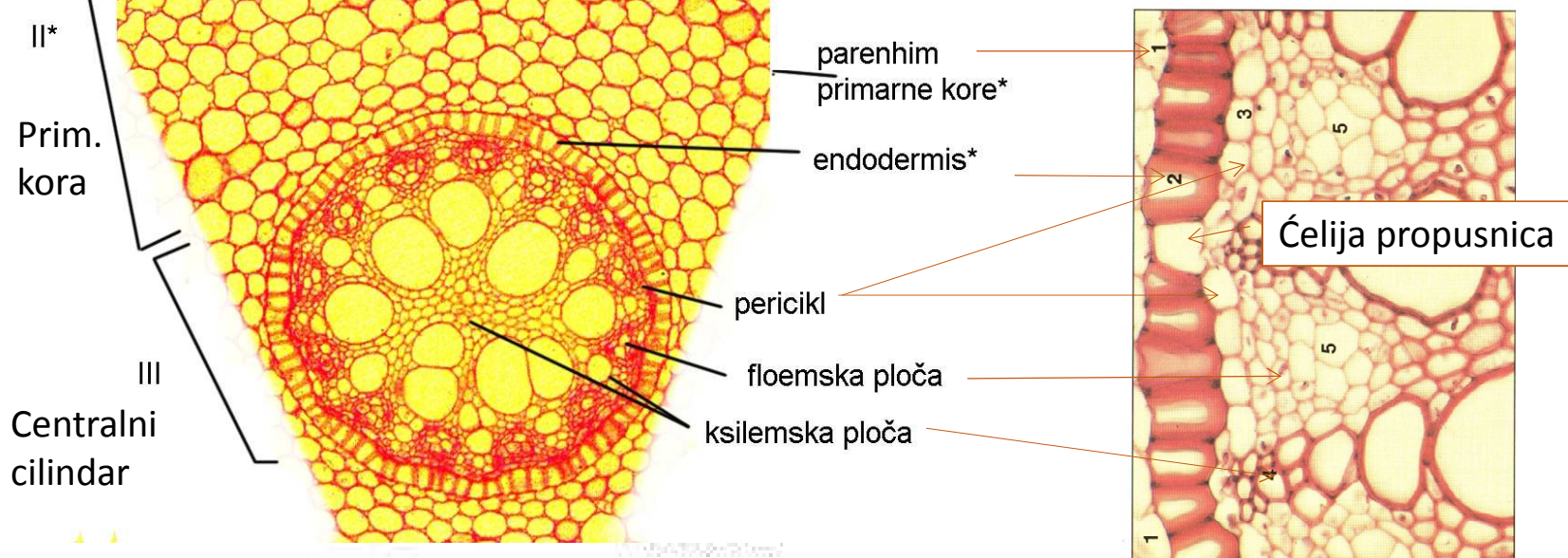
- Podzemni organ radijalne simetrije na kojem se ne obrazuju lisne primordije!



Presjek kroz zonu korjenovih dlaka

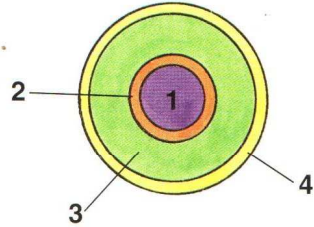


Rast bočnih korjenova

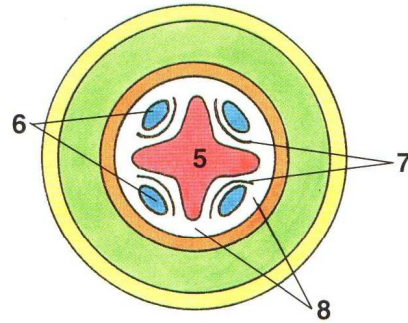


Kasparijeva zadebljanja ...

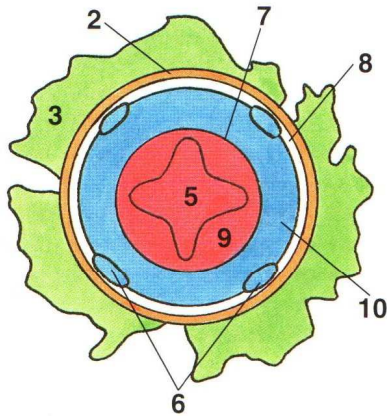
Presjek vrha korijena



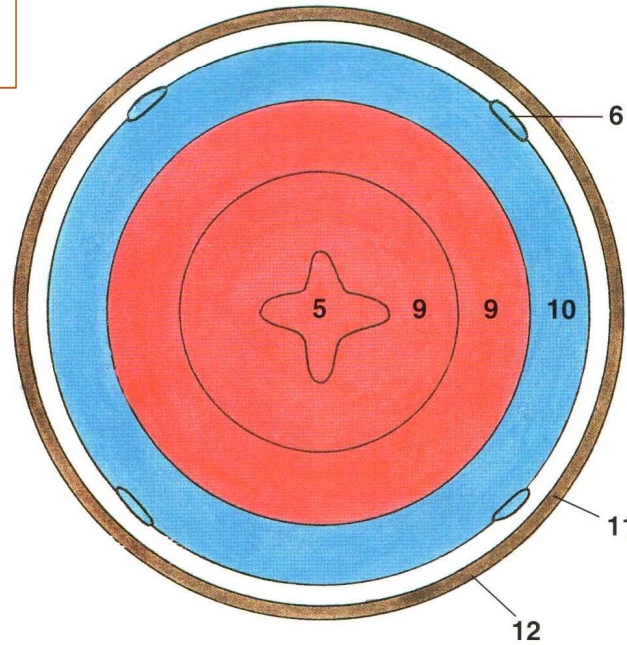
Presjek kroz zonu iznad korijenovih dlaka



Formiranje prstena od vaskularnog kambijuma

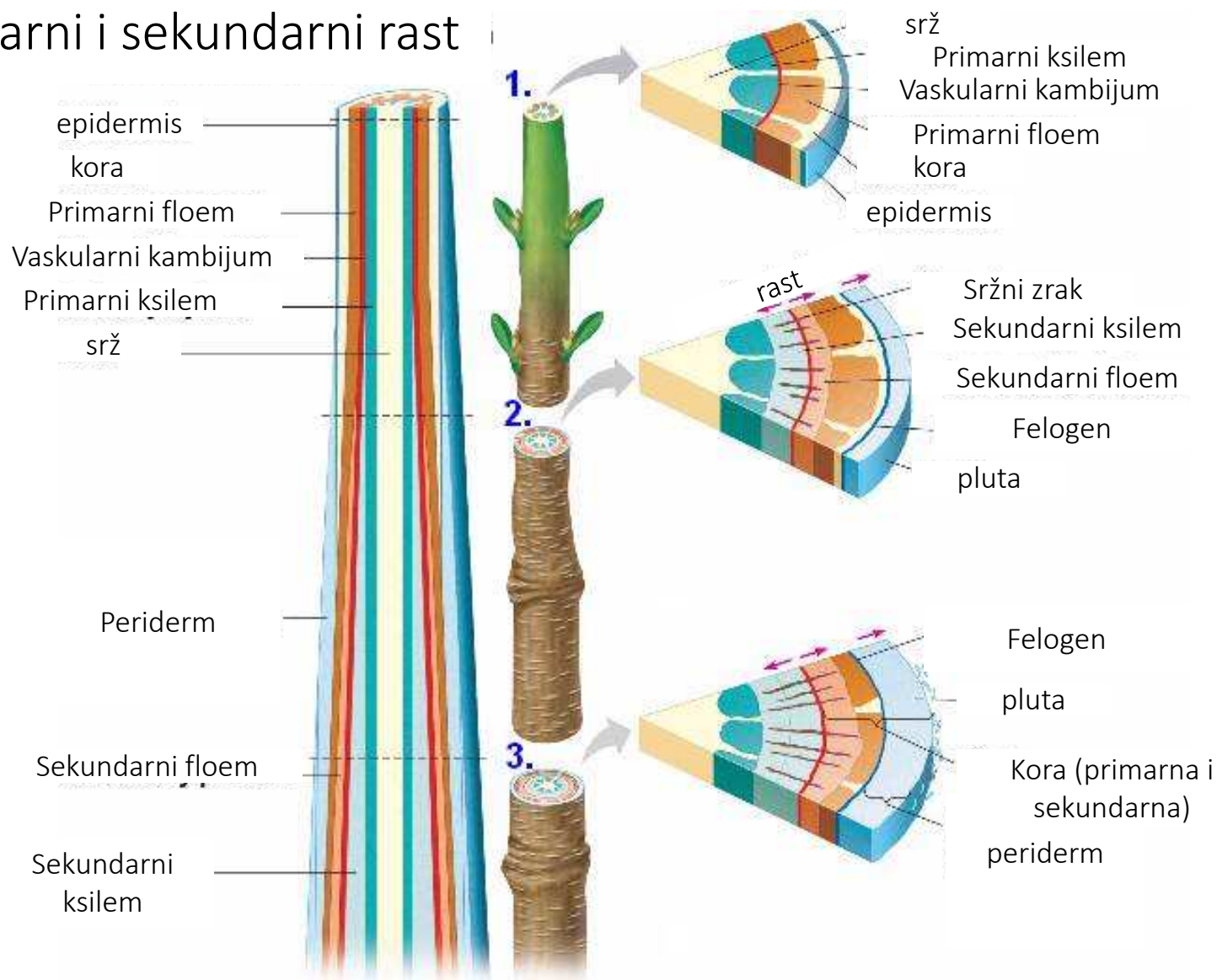


Sekundarno debljanje

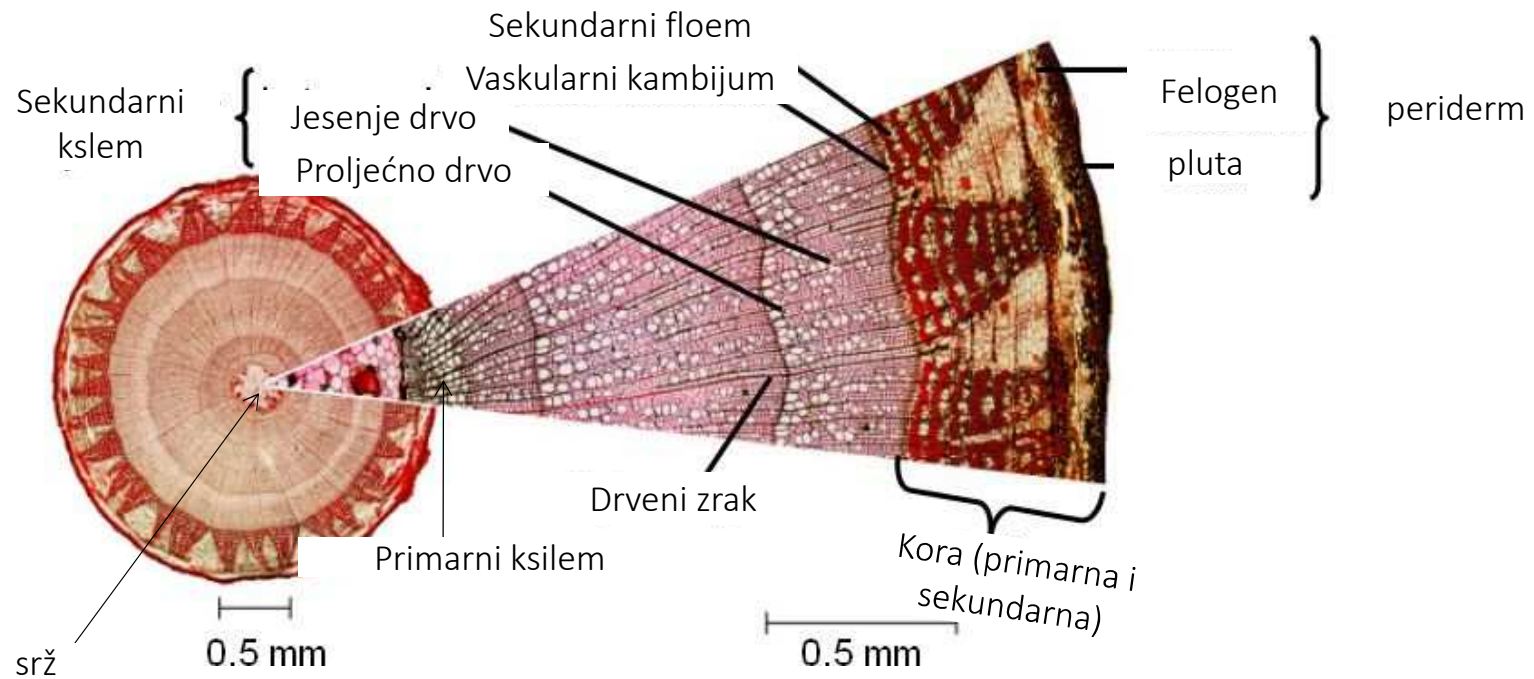


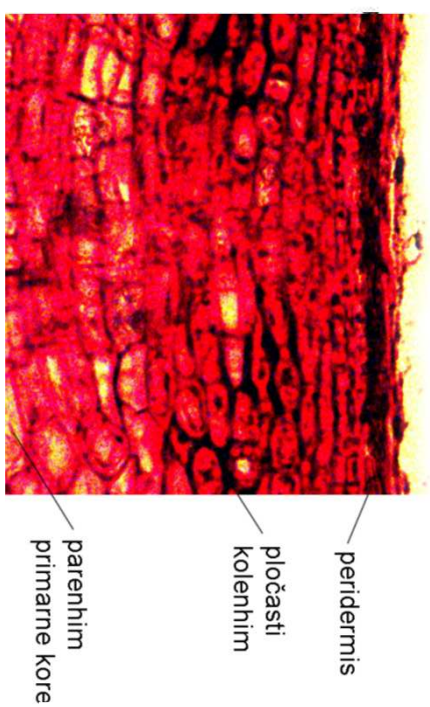
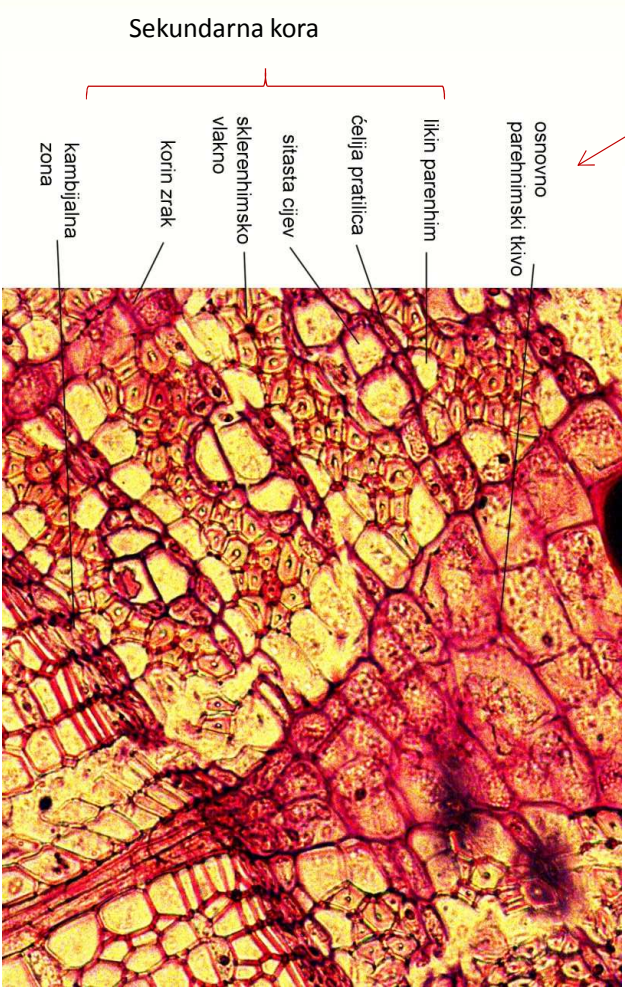
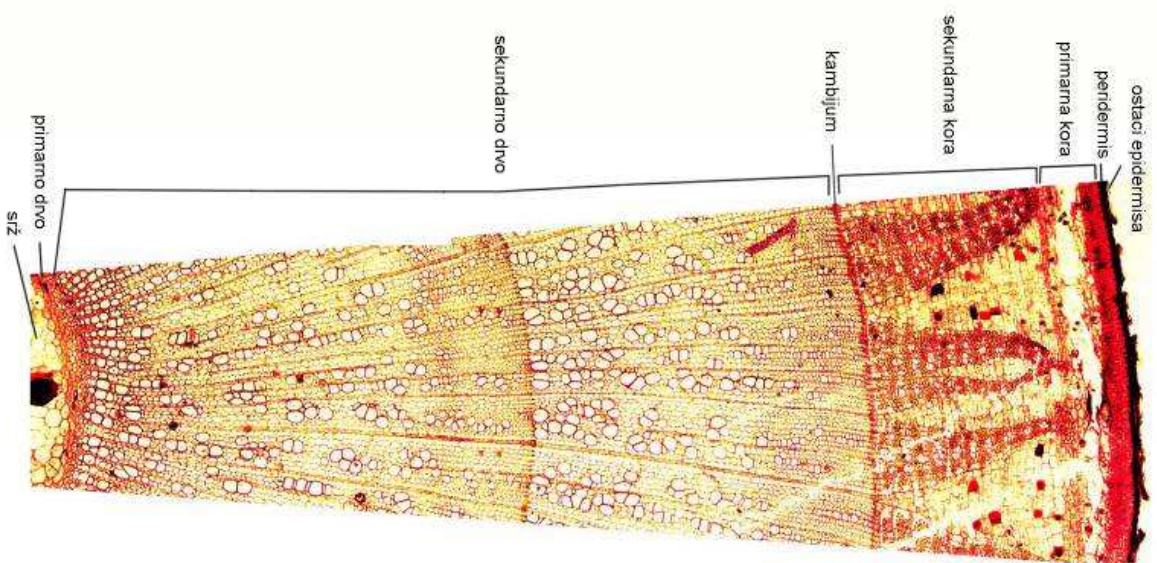
- 1- prokambijum
- 2- endodermis
- 3- primarna kora
- 4- rizodermis
- 5- ksilem
- 6- floem
- 7- vaskularni kambijum
- 8- pericikl
- 9- sekundarni ksilem
- 10- sekundarni floem
- 11- felogen
- 12- peridermis

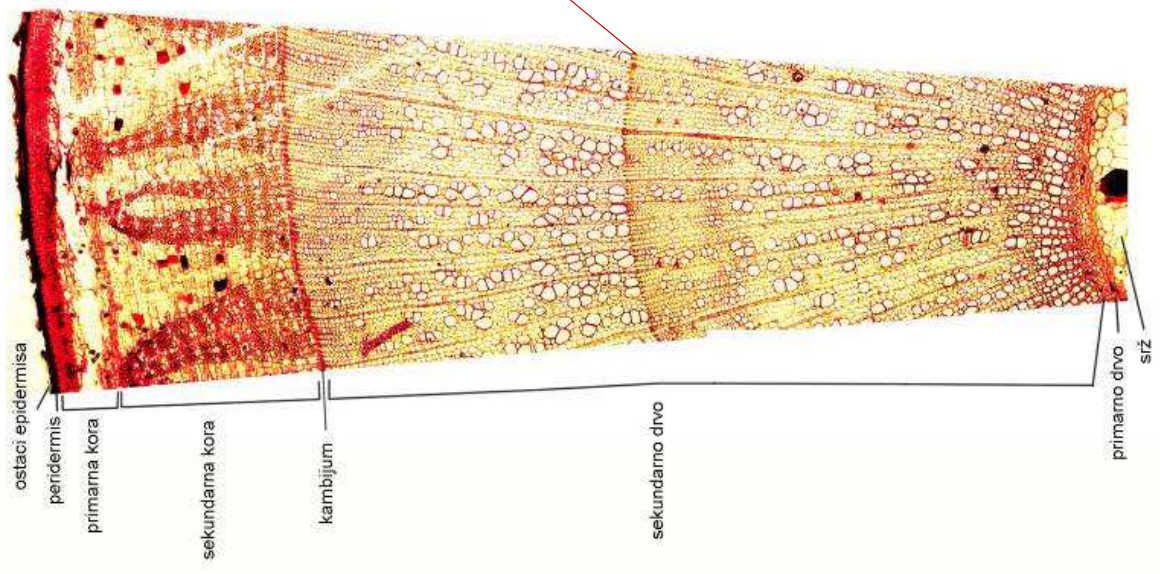
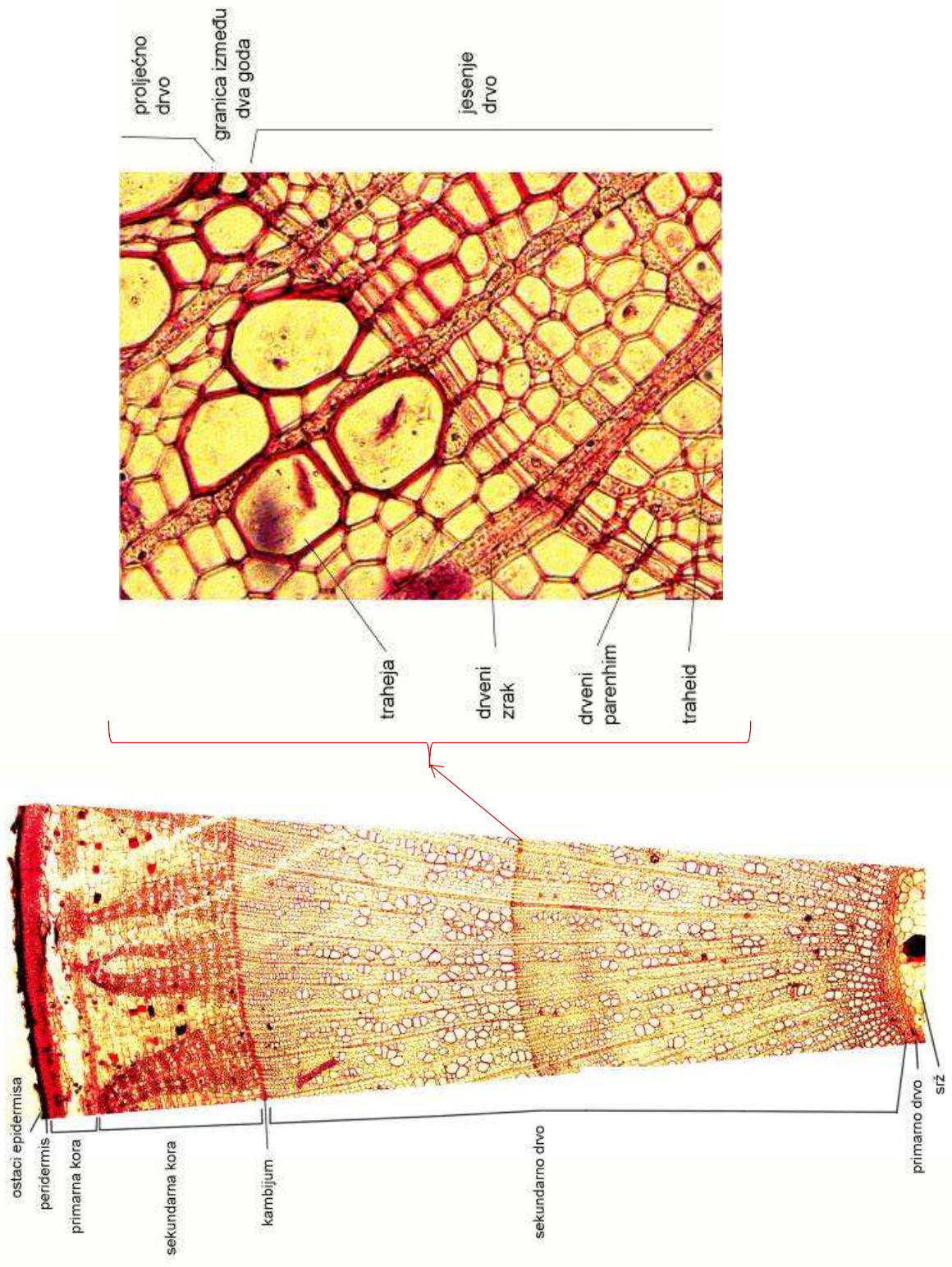
Primarni i sekundarni rast

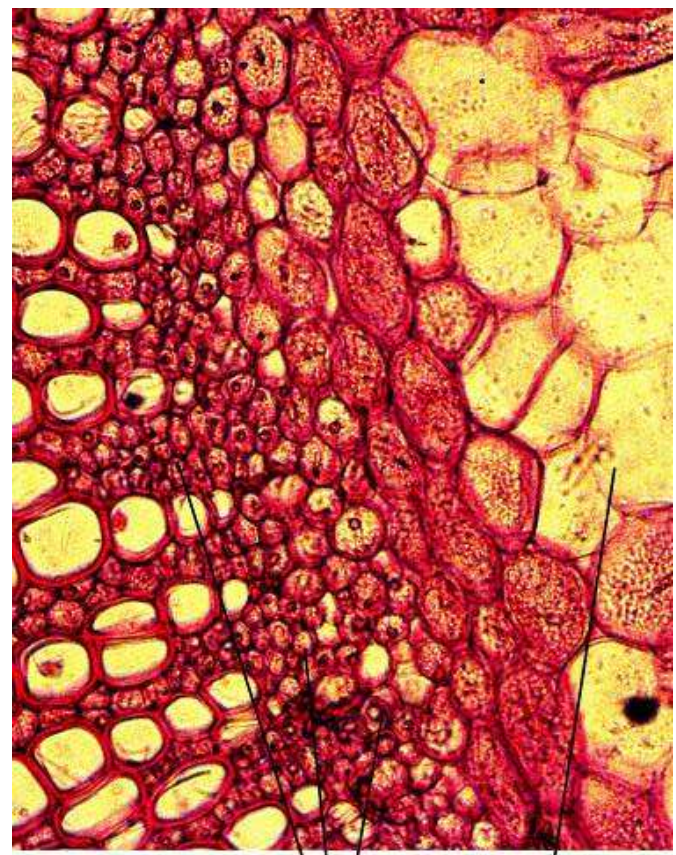
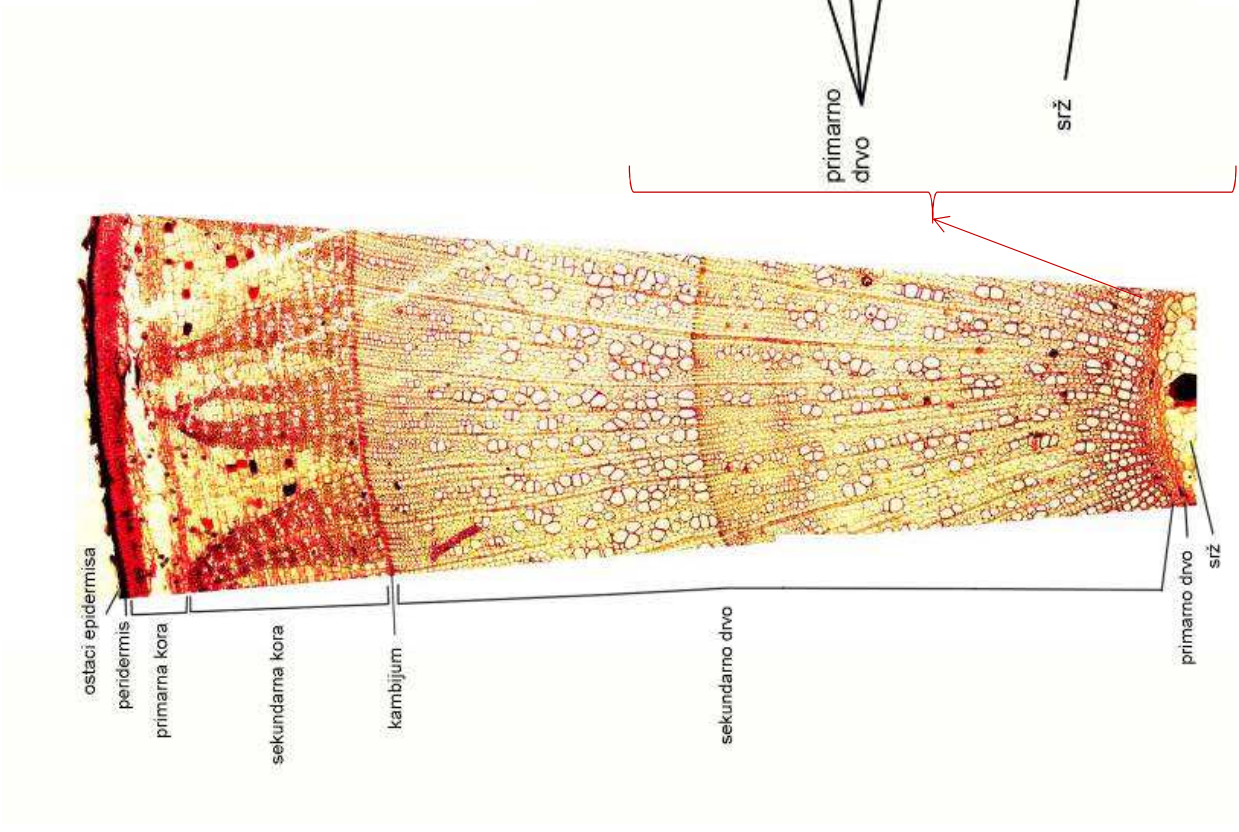


Sekundarna građa stabla lipe









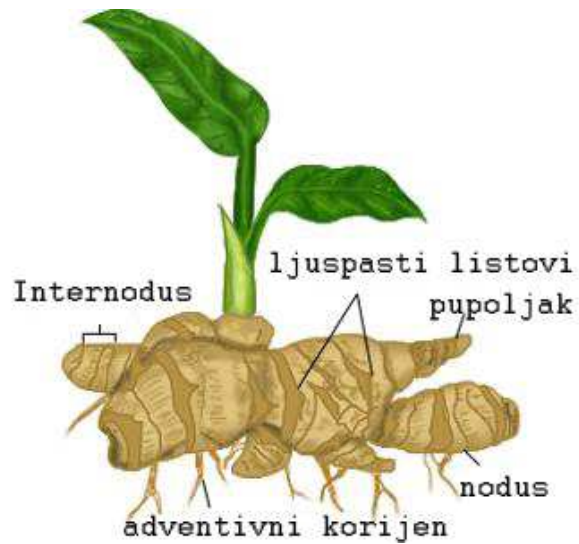
Metamorfoze izdanka

- Fotofilni

- Geofilni izdanci (rizomi, stolone, krtole i lukovice)

Rizomi

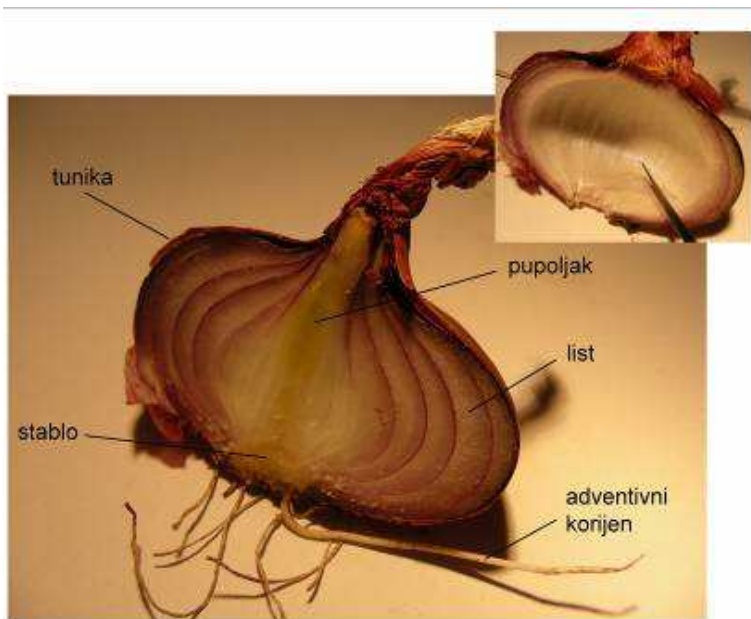
(horizontalni, uspravni, monopodijalni, simpodijalni)



Rizom đumbira



Rizom kisele paprati



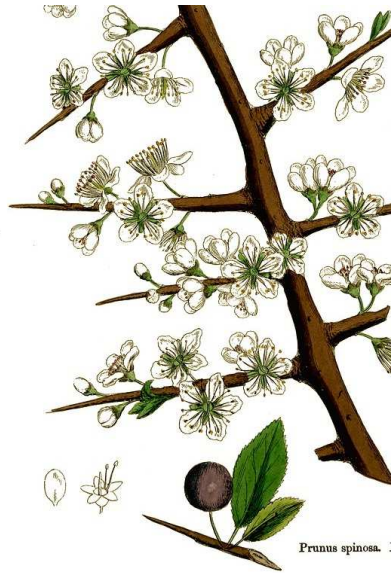
Lukovica



Krtola



Metamorfoza izdanka u trn



Metamorfoza izdanka u rašljike



Filokladije



Sukulente



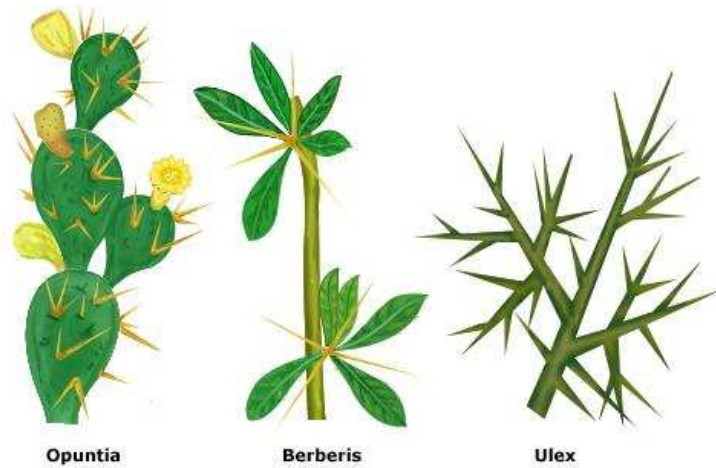
METAMORFOZE LISTA

Metamorfoza lista u rašljiku

Metamorfoza lista u trn



rašljika



Opuntia

Berberis

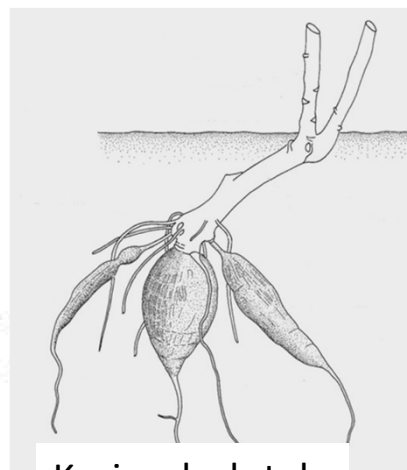
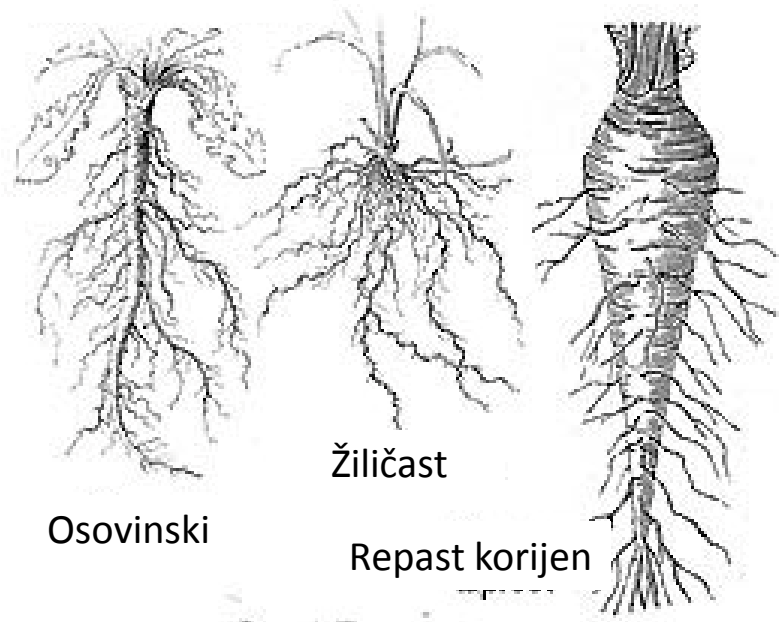
Ulex

Metamorfoza lisne drške u filodije



Listovi kao organi za magacioniranje hrane

Tipovi korjena i metamorfoze



- Kontraktilni korjenovi
- Vazdušni korjenovi
- Korjenovi za provjetravanje
- Daskasti korjenovi
- Asimilacioni korjenovi

Puzeće stablo sa
adventivnim
korjenima