

Uvod u sistematiku skrivenosjemenjača (Angiospermae, Magnoliidae)

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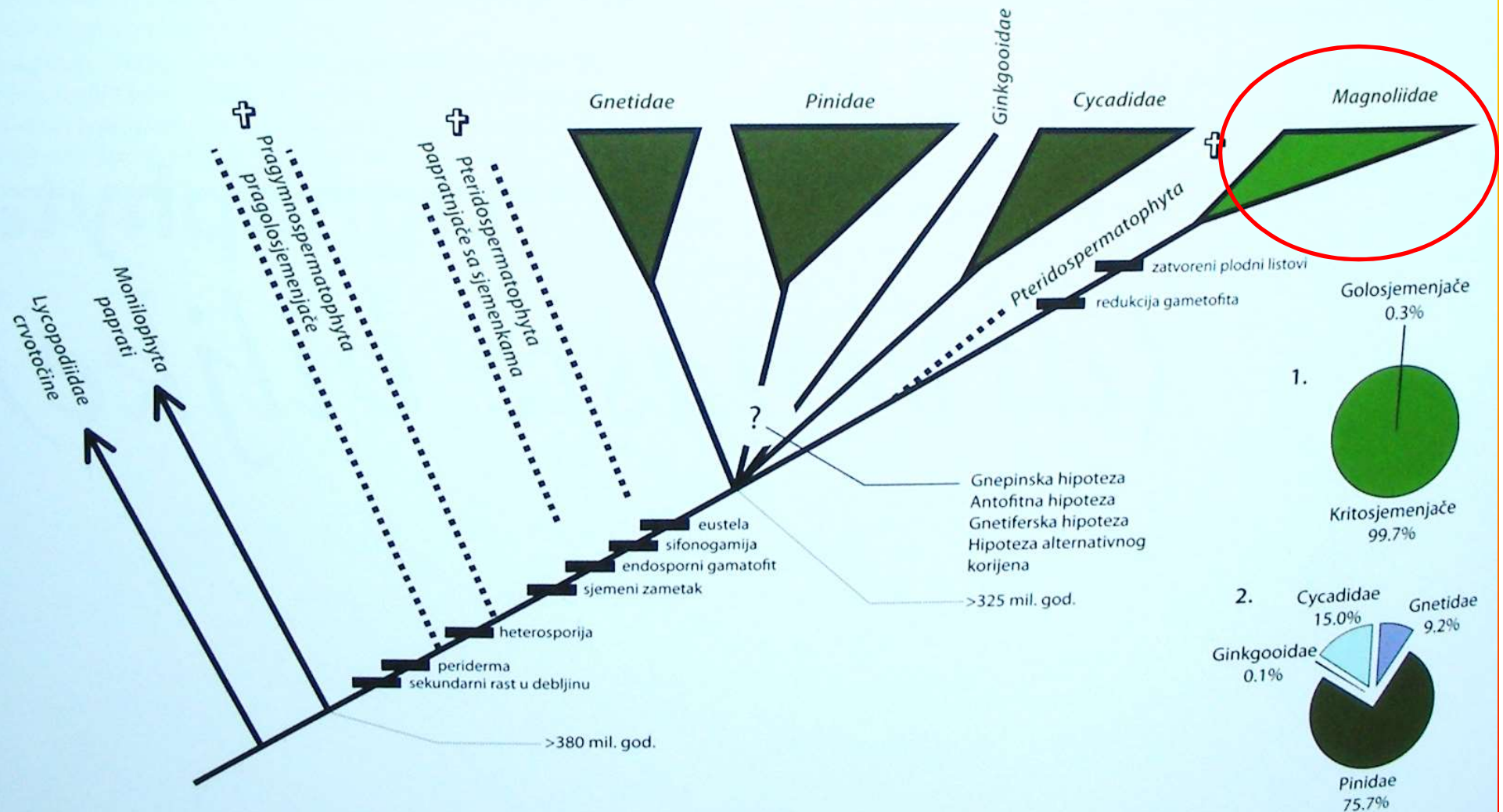
Predavanje I, 11.02.2019.

drvenaste biljke (*Lignophyta*)

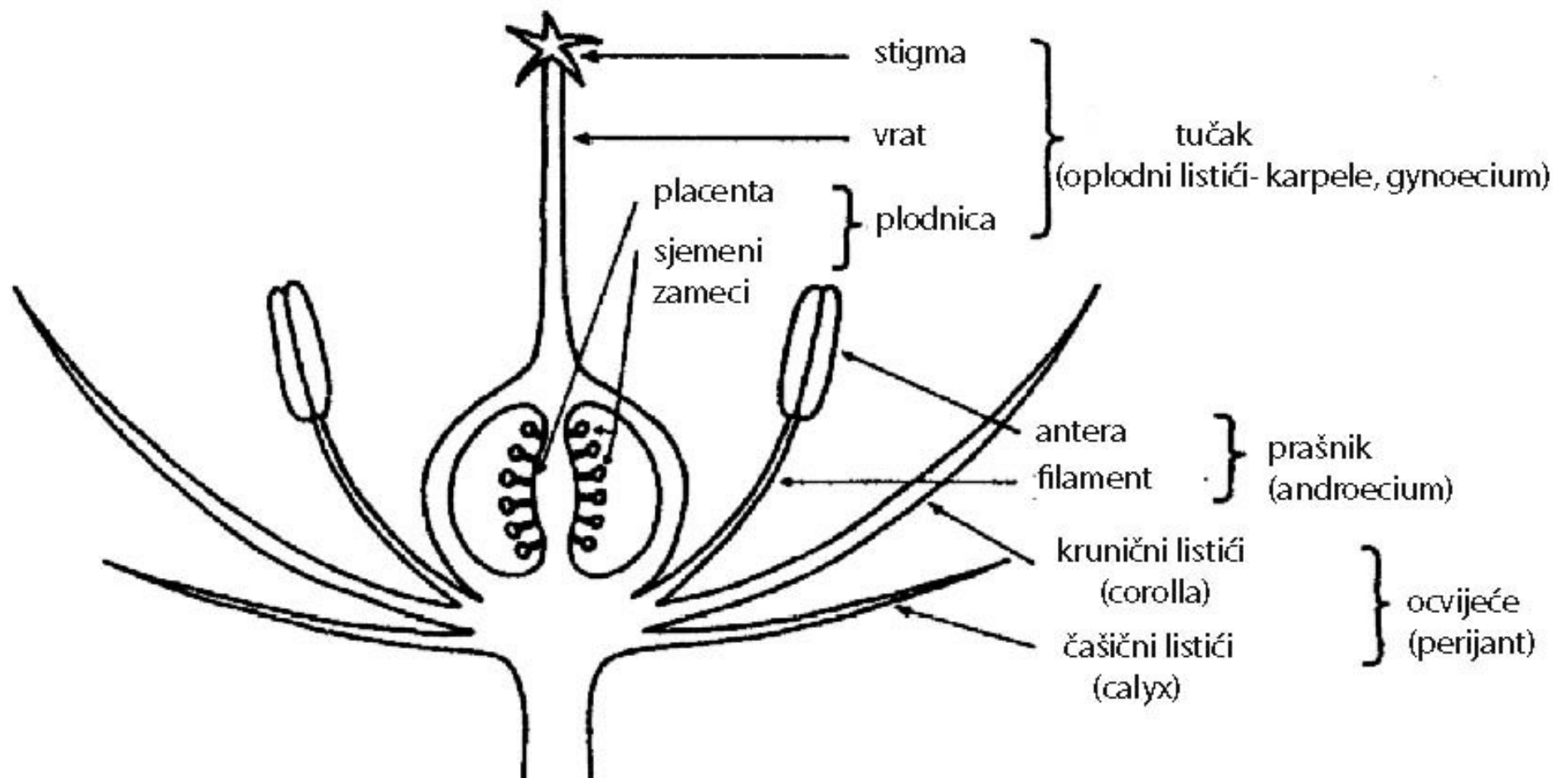
sjemenjače (*Spermatophyta*)

golosjemenjače
(*Gymnospermae*)

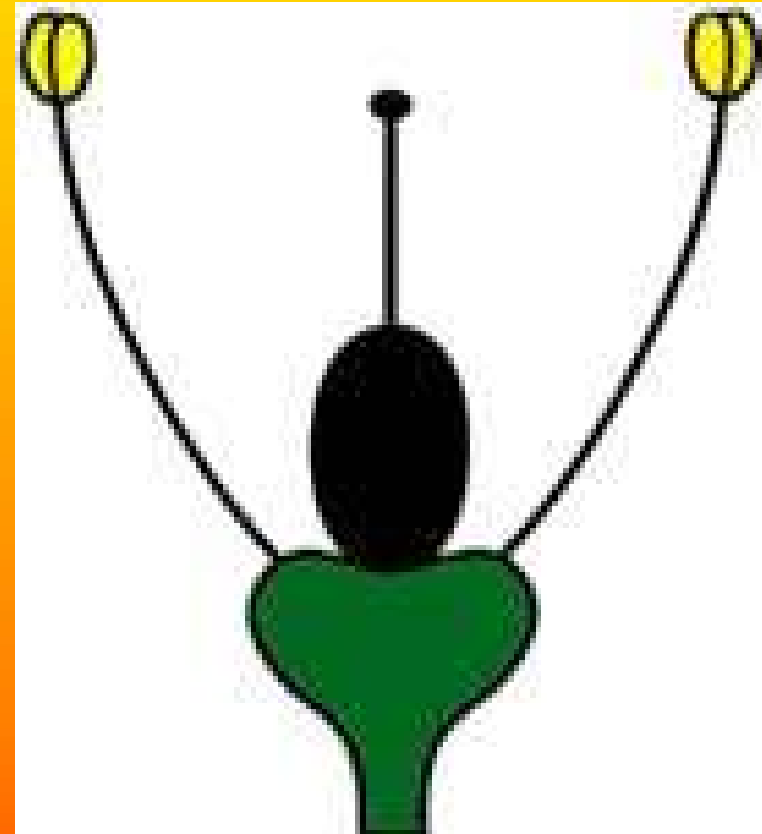
kritosjemenjače
(*Angiospermae*)

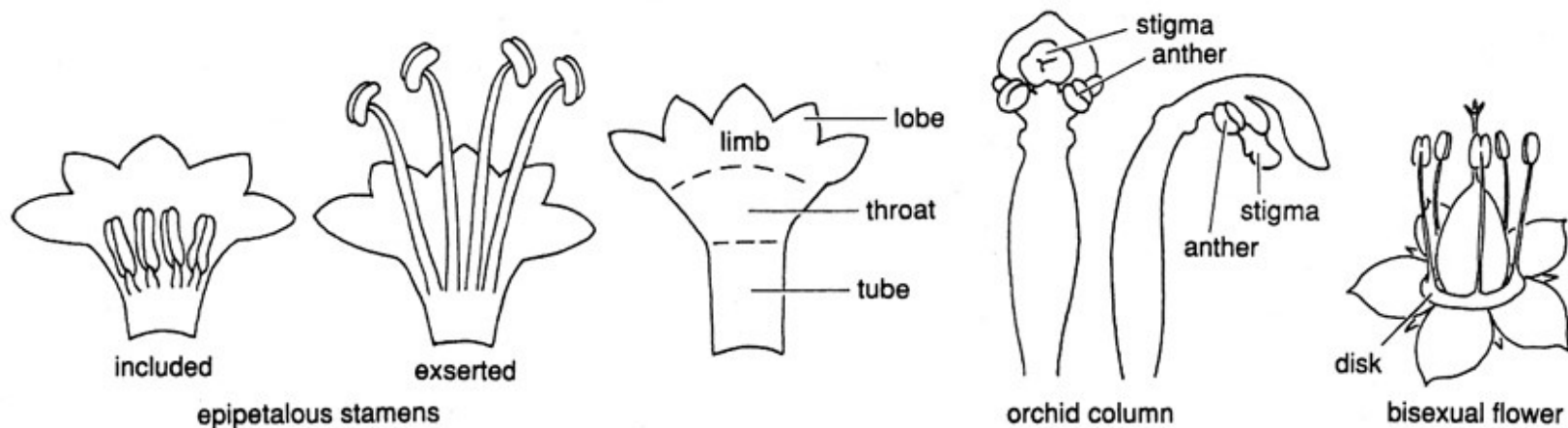
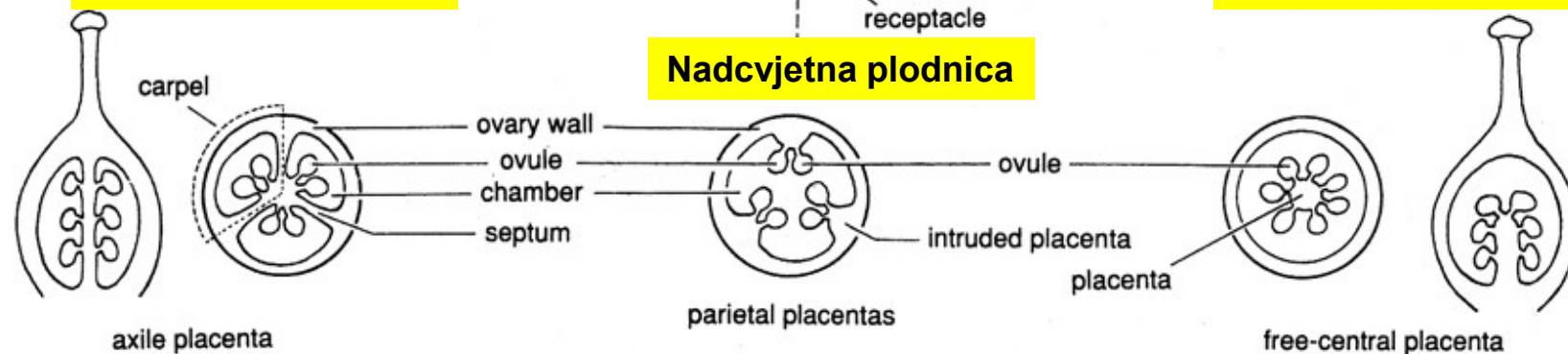
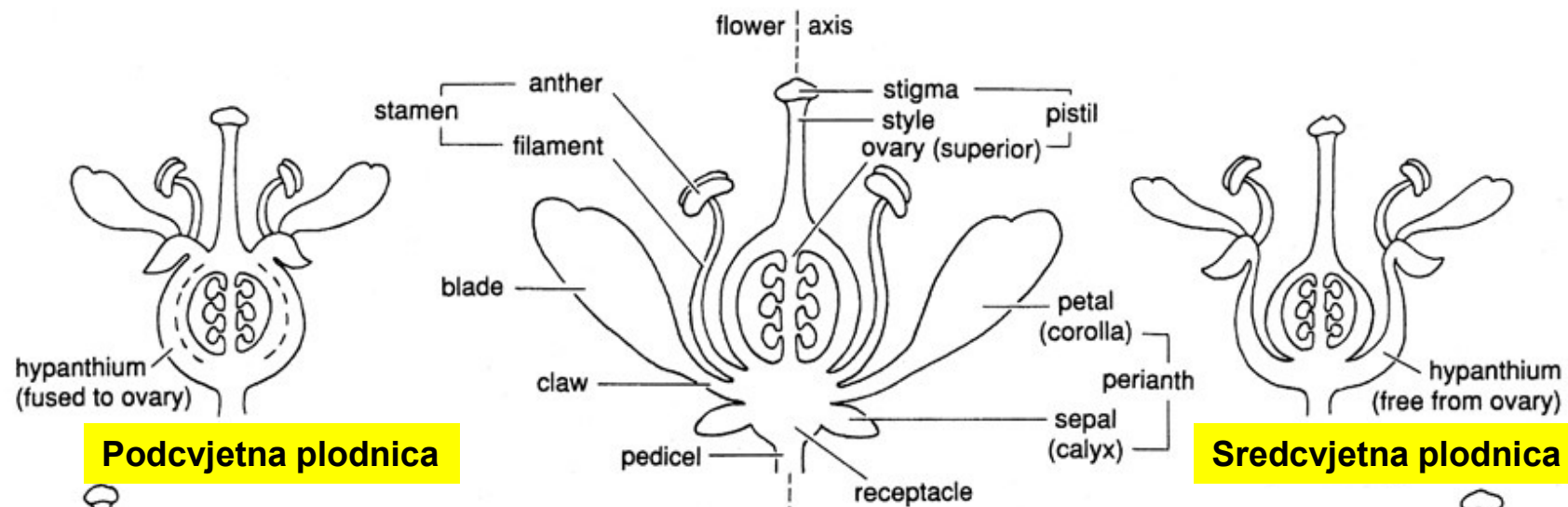


Građa heterohlamidnog cvijeta

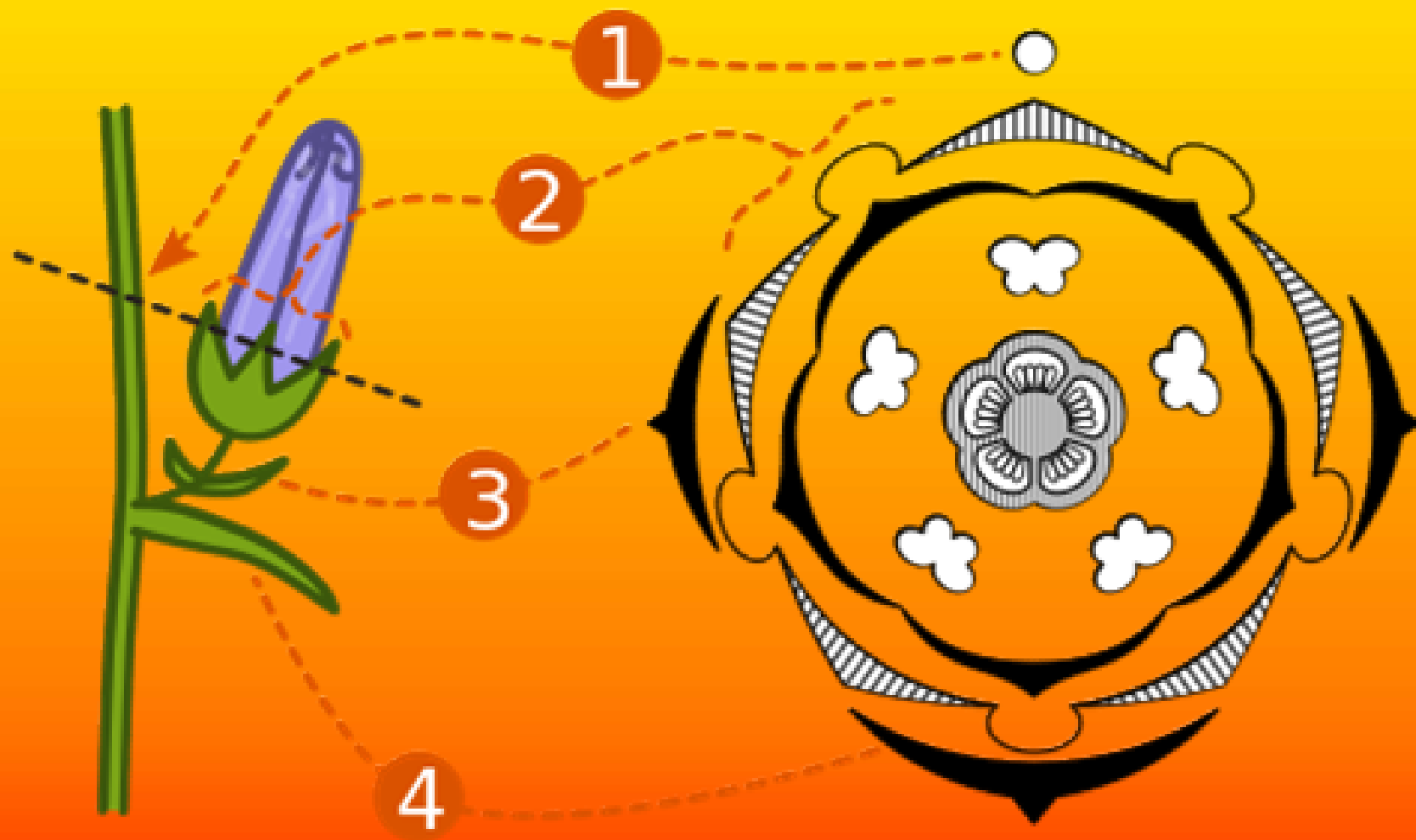


Homohlamidan i ahlamidan cvijet





Cvjetni dijagram



Cvjetna formula

- *- višesimetričan cvijet
- ↑- jednosimetričan cvijet
- K – calyx
- C- corolla
- P- perigon
- A- andreceum
- G- gyneceum
- n- broj elemenata
- ∞- veliki broj elemenata
- G n/- nadrasla plodnica, G/n- podrasla plodnica
- Gn- apokarpna plodnica, G(n)- sinkarpna plodnica
- ()- srastanje elemenata istog tipa, []- srastanje elemenata različitih krugova

Postanak cvjetnih djelova

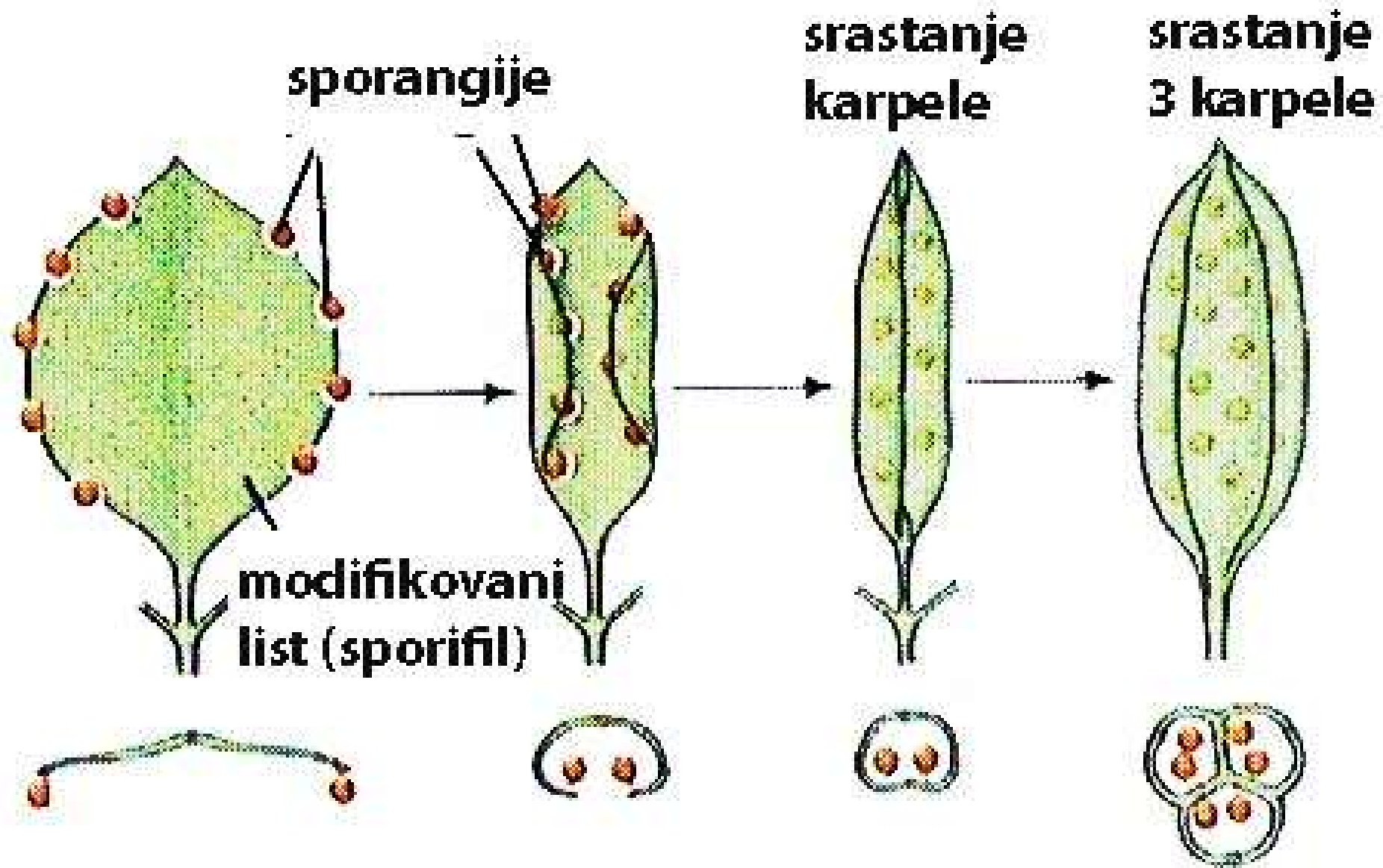
- cvijet= izmijenjeni izdanak sa listovima
- čašica nesumnjivo vodi porijeklo od listova, dok se porijeklo kruničnih listića izvodi od sterilnih listolikih prašnika.

Sterilni prašnici, koji
prelaze u listiće krunice
tzv. andropetalna krunica

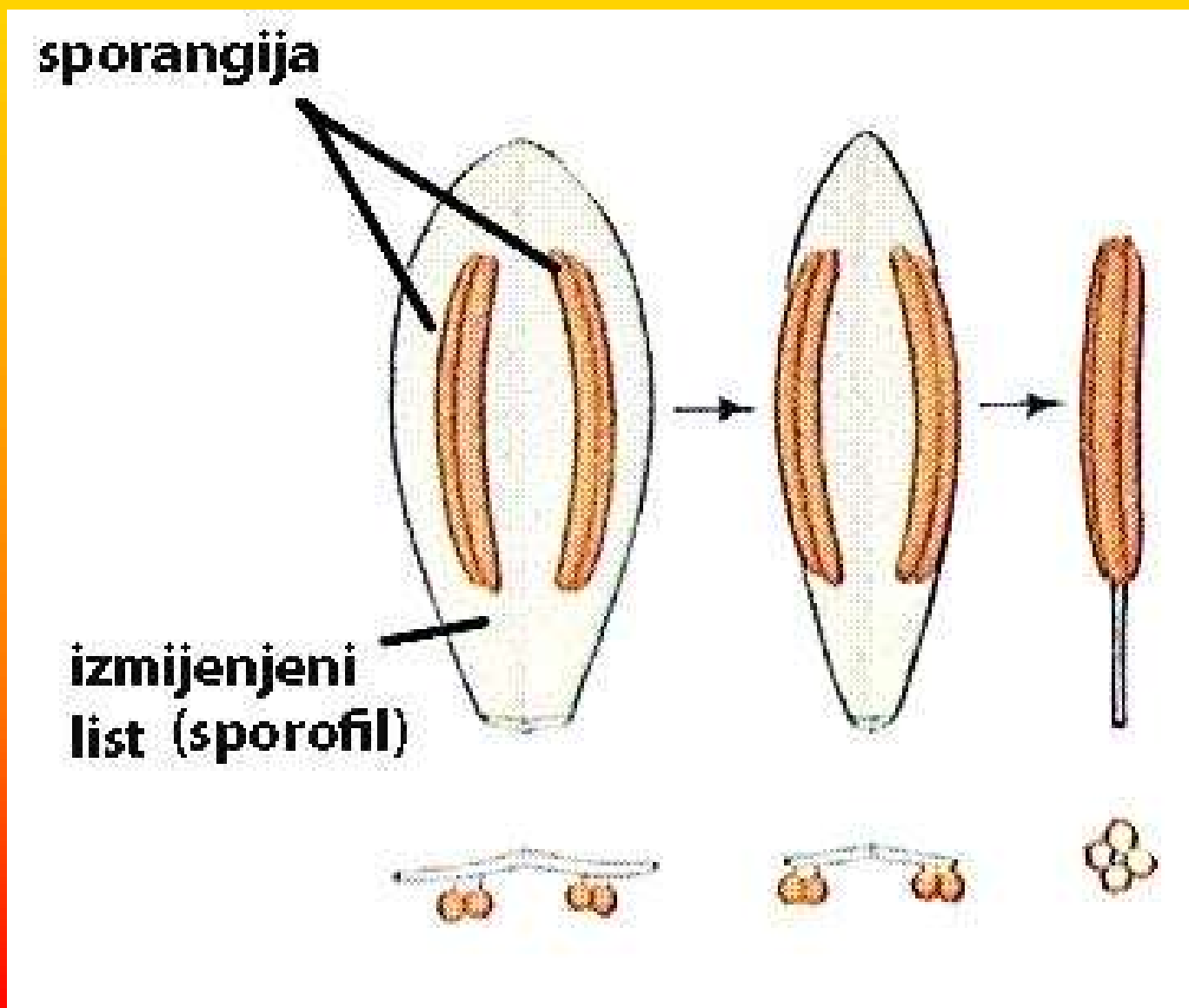
Fertilni prašnici



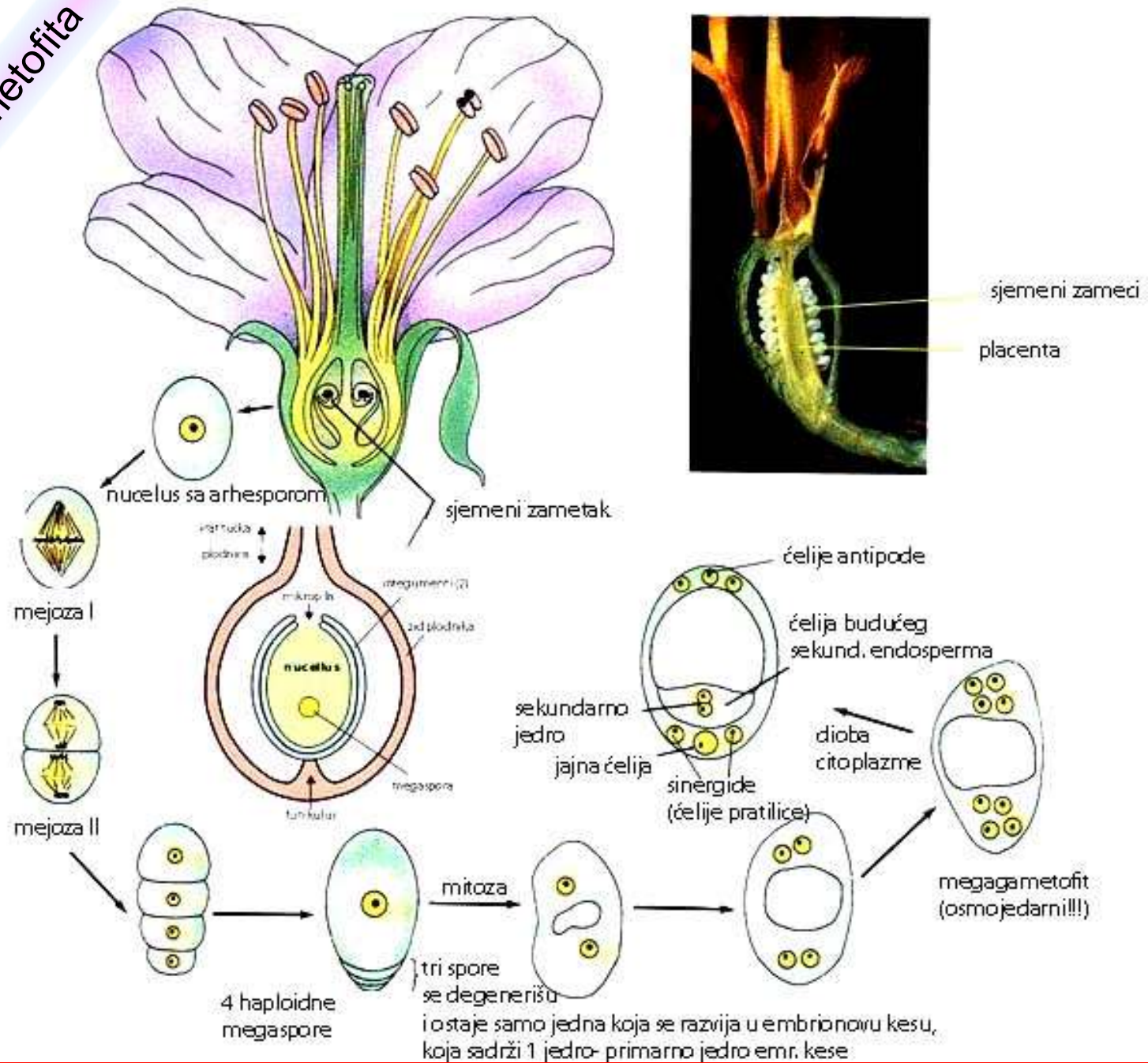
Postanak oplodnih listića- plodnika



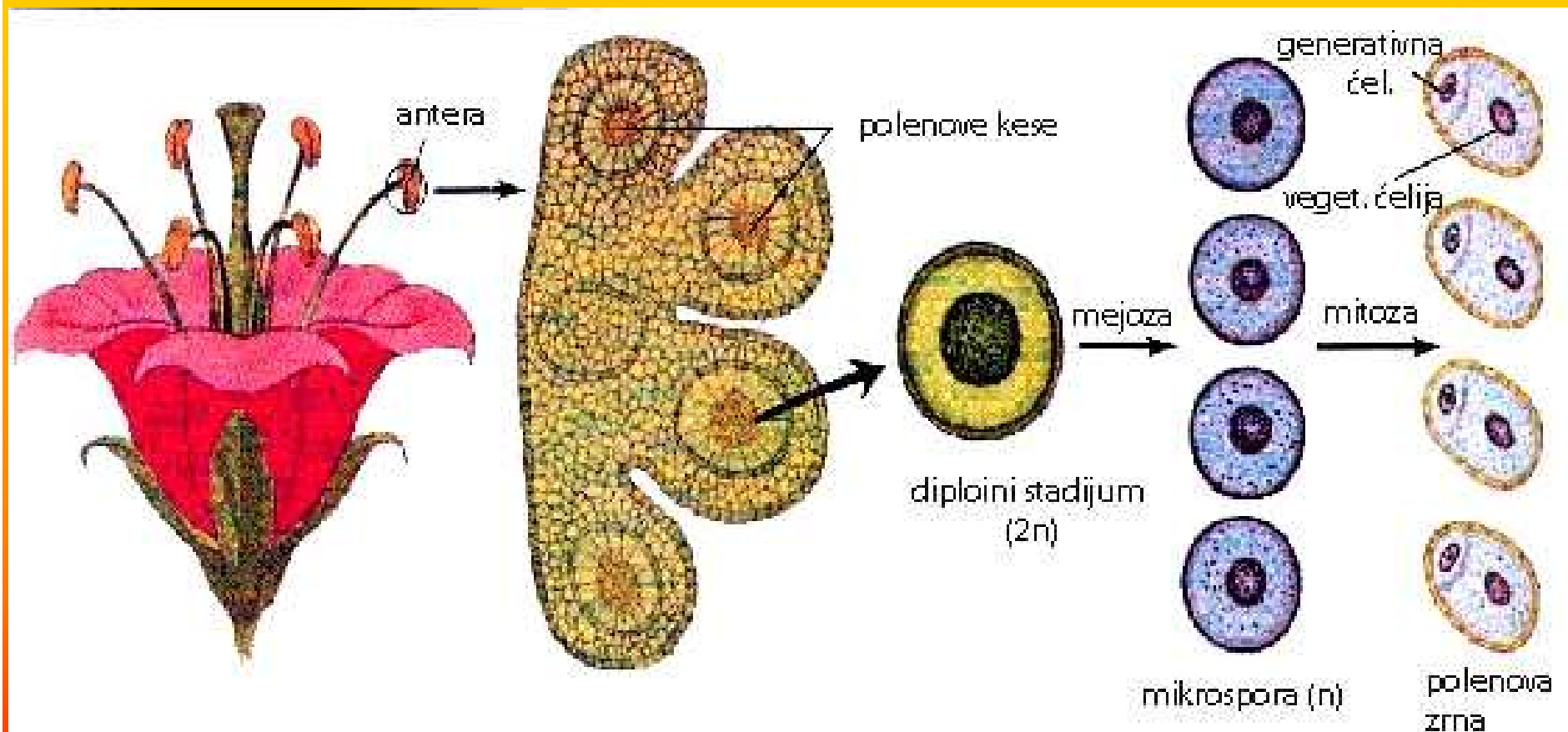
Postanak prašnika



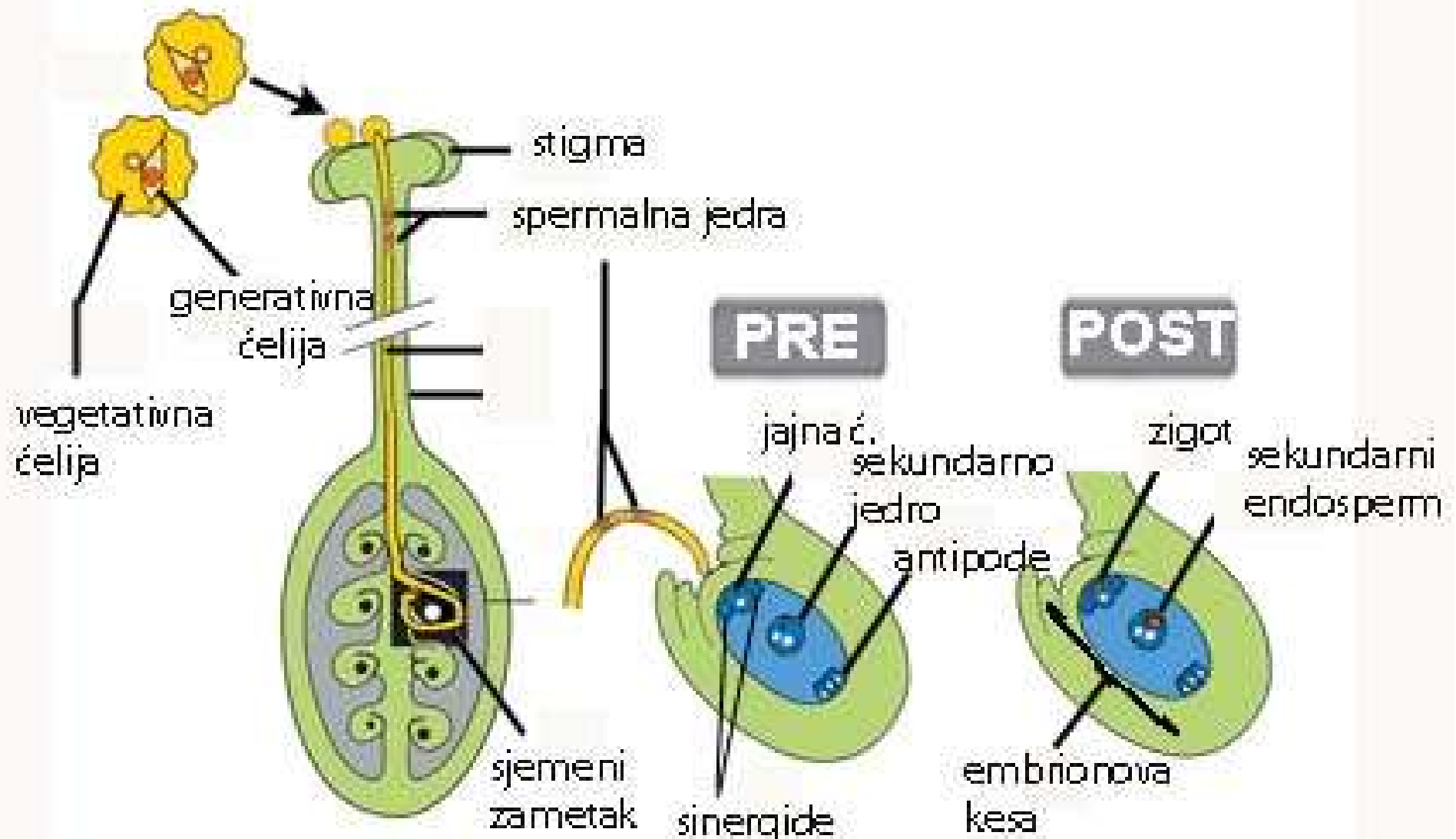
Razviće ženskog gametofita



Razviće muškog gametofita

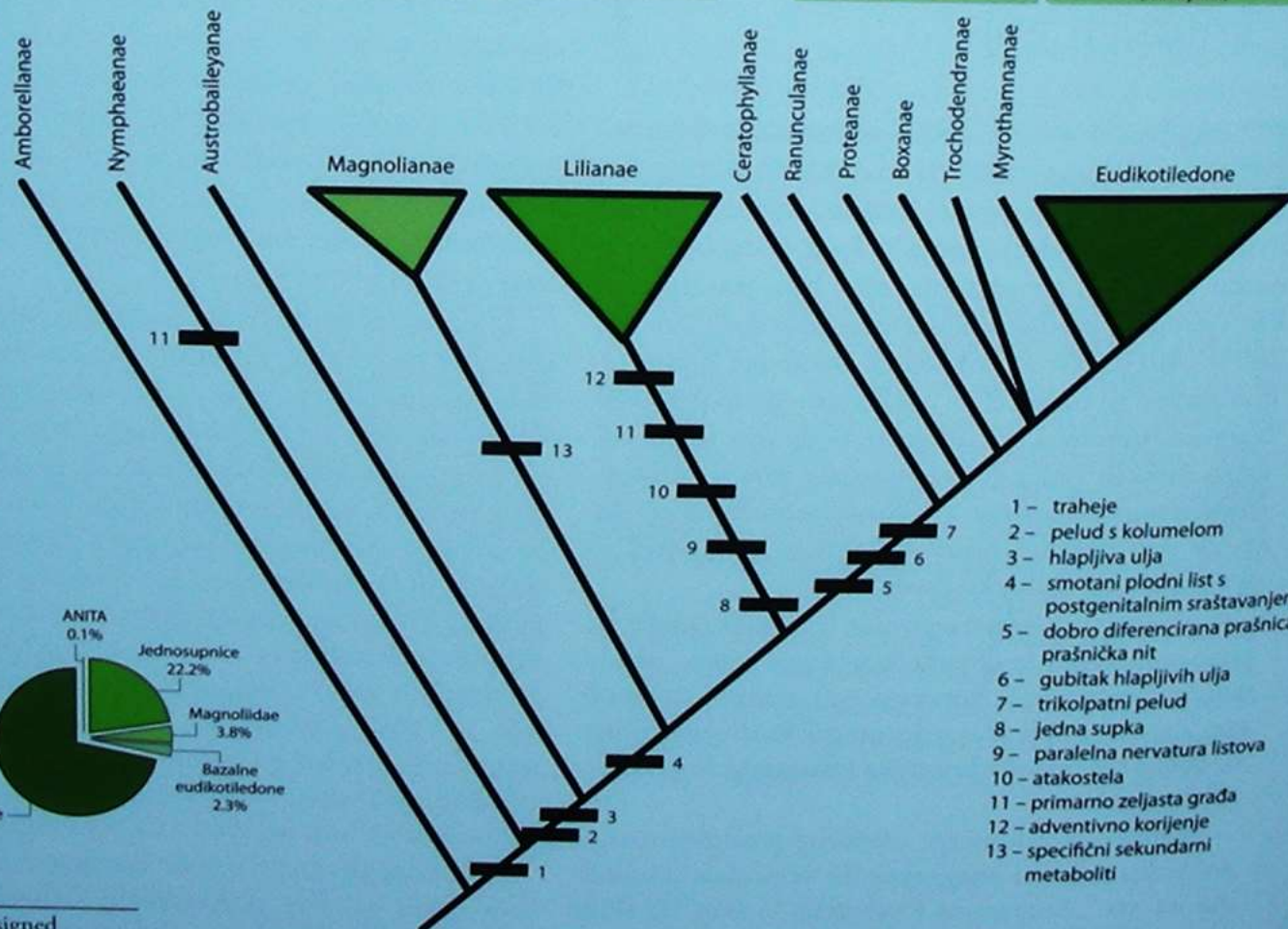
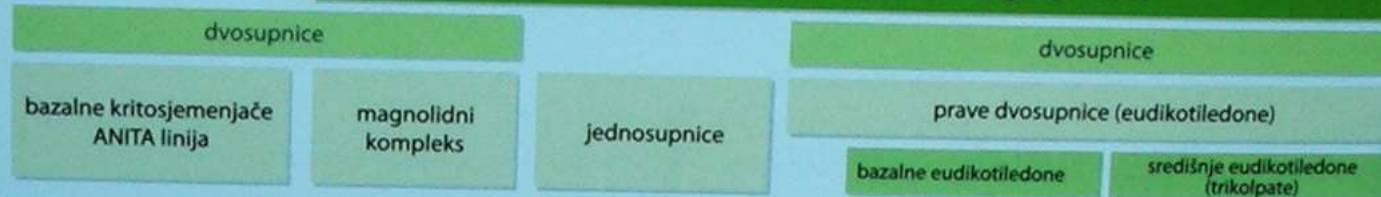


Akt oplodnje



kritosjemenjače (Angiospermae)

središnje kritosjemenjače (Mezangiospermae)



- 1 – traheje
- 2 – pelud s kolumelom
- 3 – hlapljiva ulja
- 4 – smotani plodni list s postgenitalnim sraštanjem
- 5 – dobro diferencirana prašnica i prašnička nit
- 6 – gubitak hlapljivih ulja
- 7 – trikolpatni pelud
- 8 – jedna supka
- 9 – paralelna nervatura listova
- 10 – atakostela
- 11 – primarno zeljasta građa
- 12 – adventivno korijenje
- 13 – specifični sekundarni metaboliti

245 eng. unassigned
246 eng. bracked taxa
247 eng. core eudicots