

Uvod u sistematiku skrivenosjemenjača (Angiospermae, Magnoliidae)

Predmetni nastavnik:

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Saradnik:

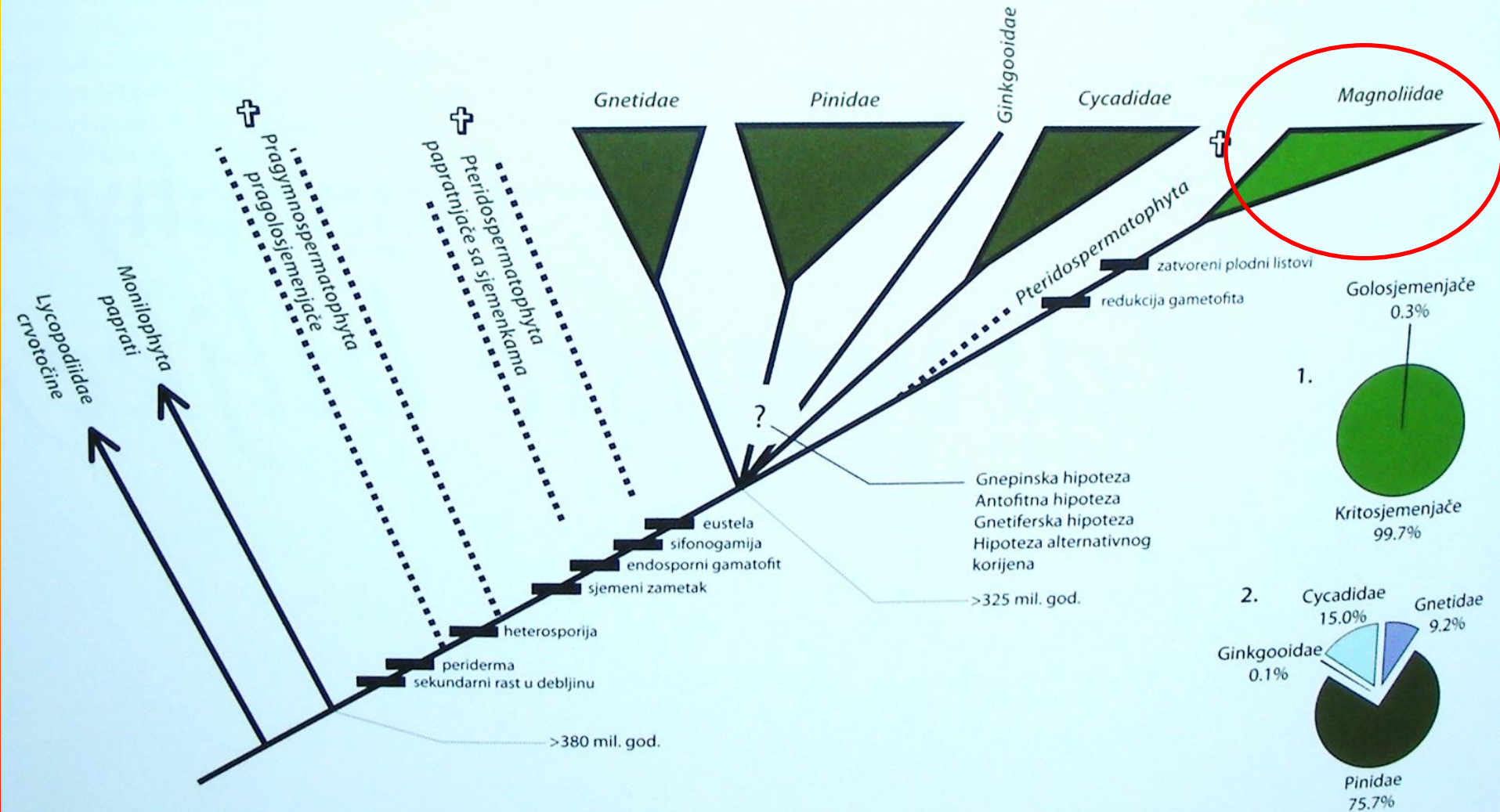
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drvenaste biljke (*Lignophyta*)

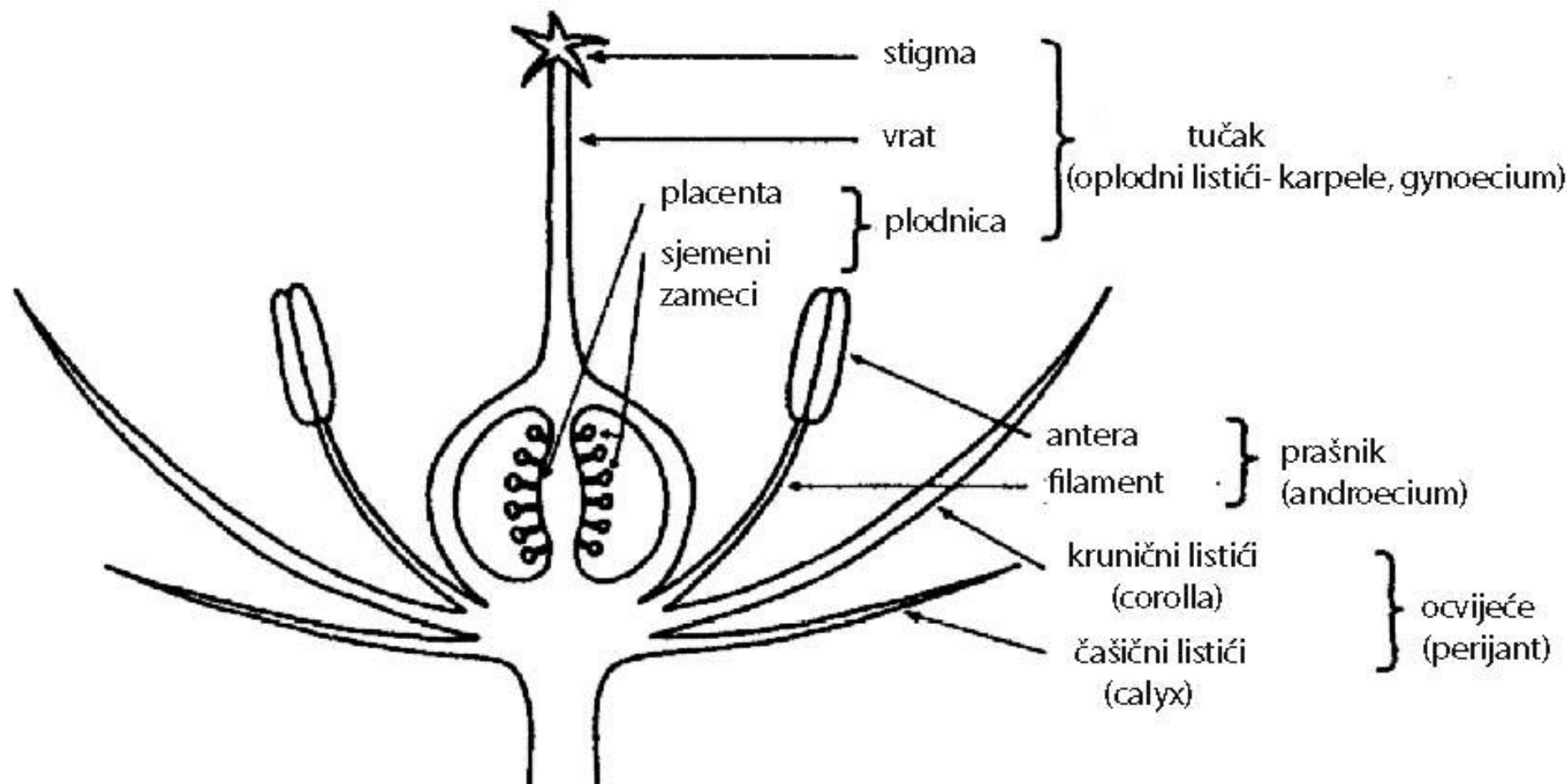
sjemenjače (*Spermatophyta*)

golosjemenjače (*Gymnospermae*)

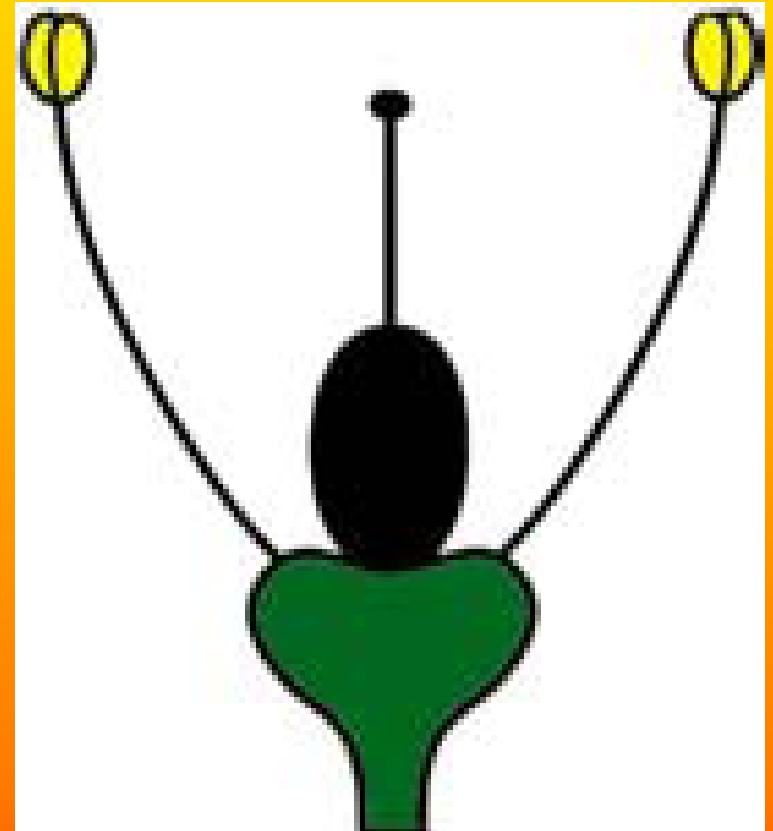
kritosjemenjače (*Angiospermae*)

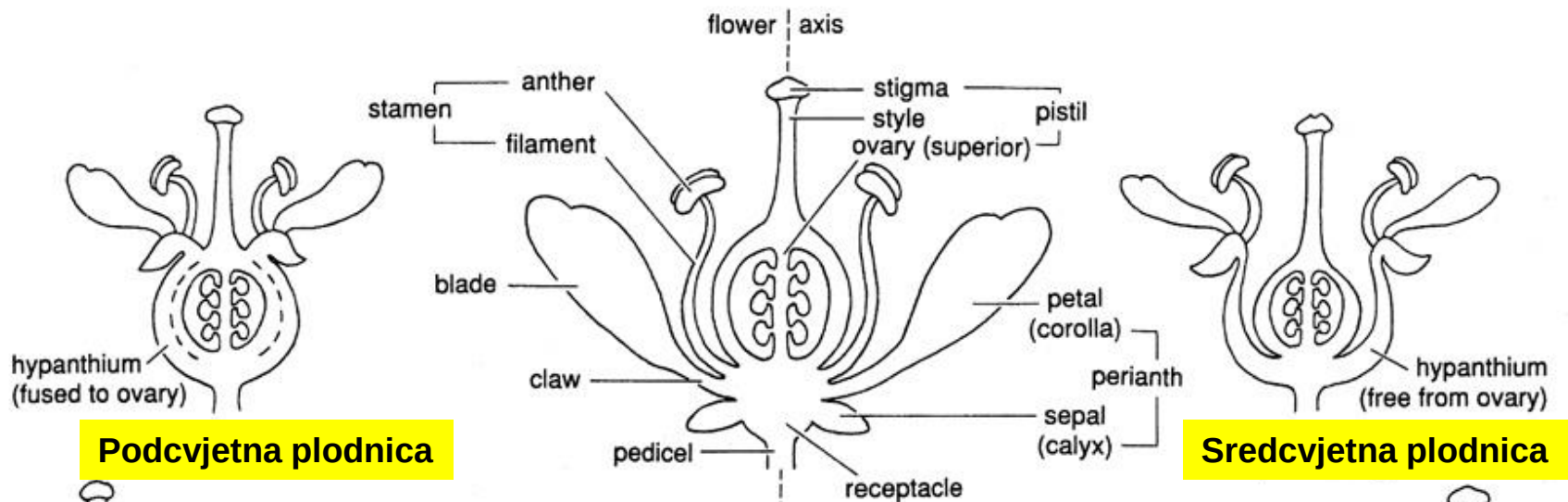


Građa heterohlamidnog cvijeta



Homohlamidan i ahlamidan cvijet

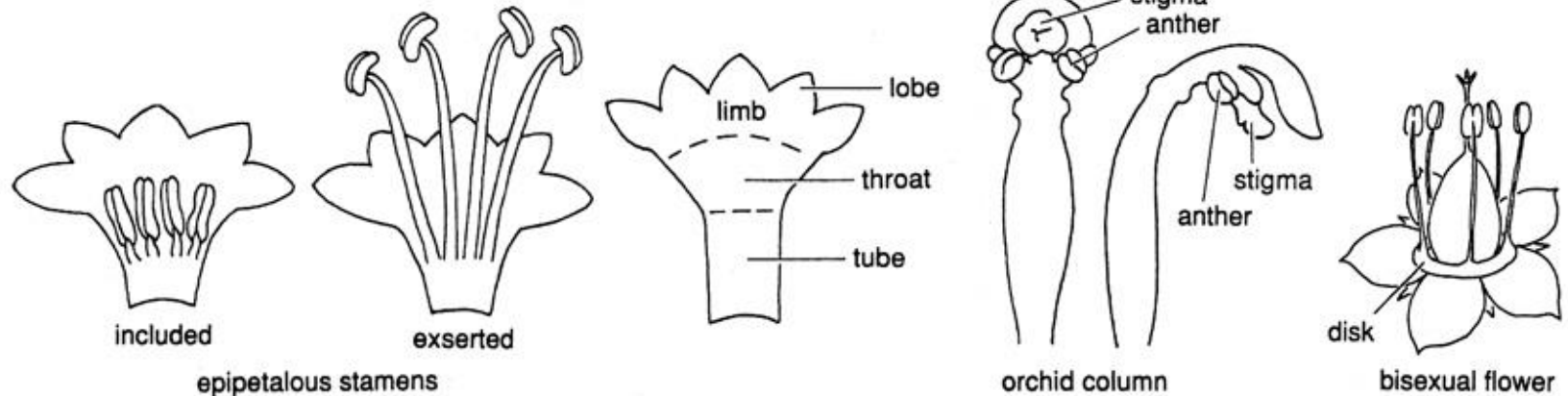
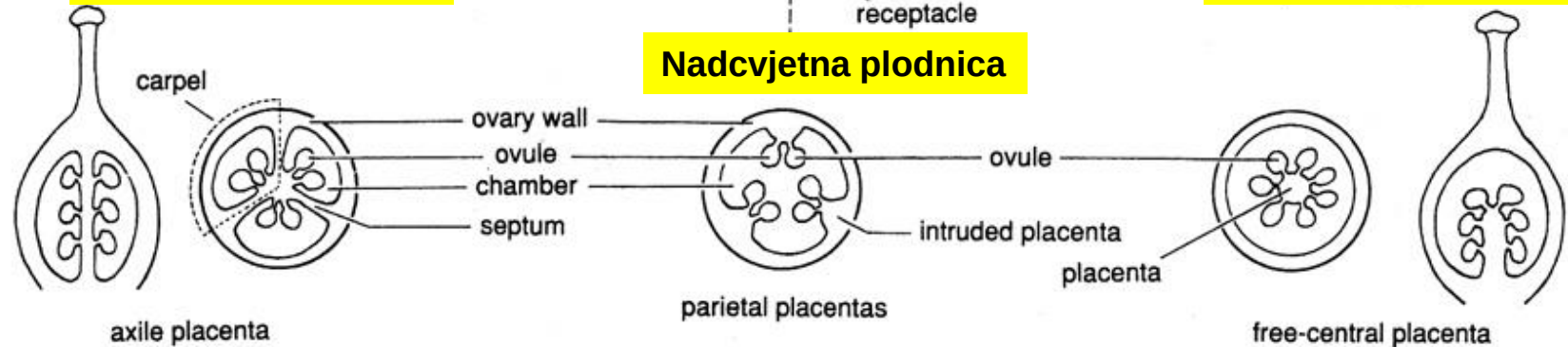




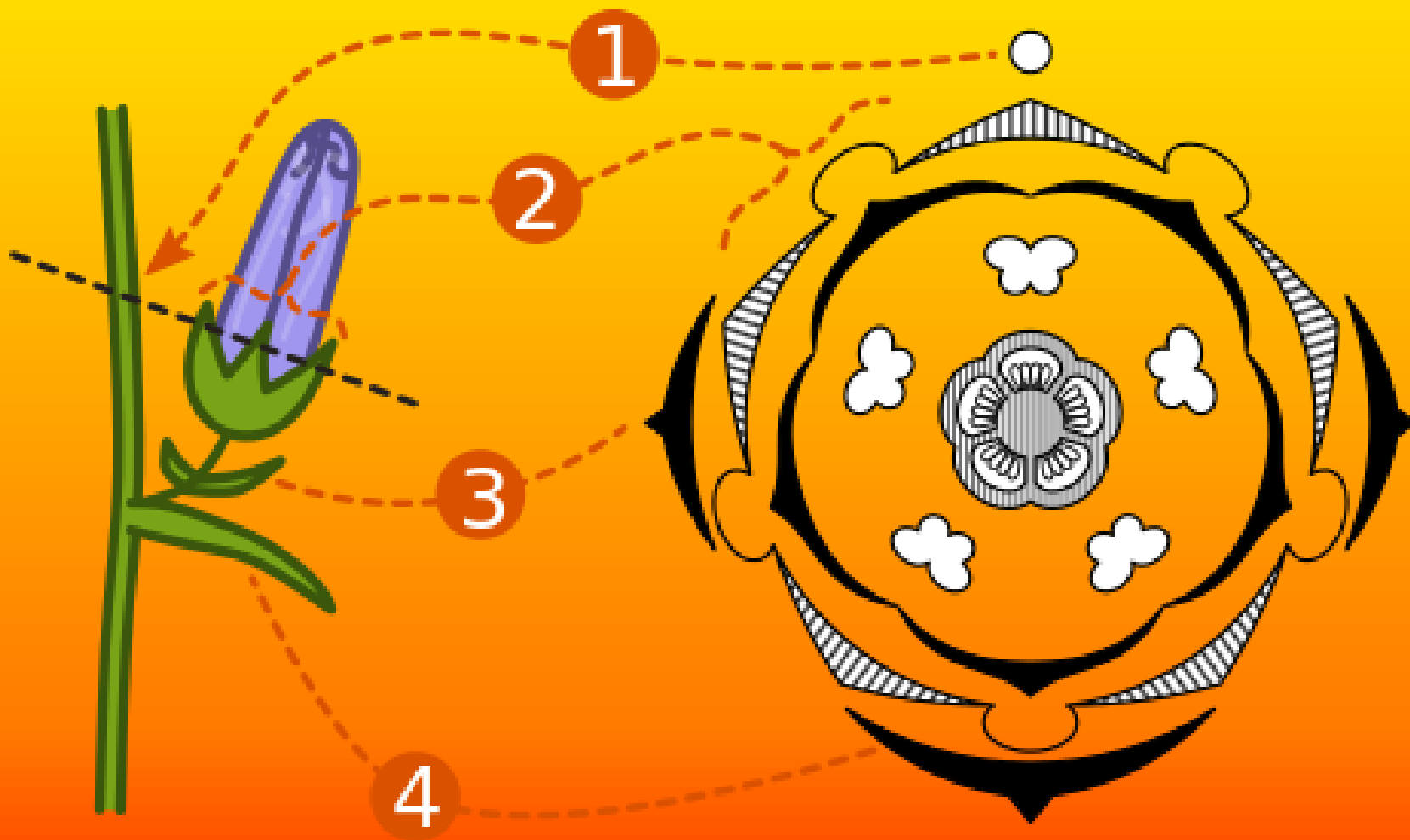
Podcvjetna plodnica

Sredcvjetna plodnica

Nadcvjetna plodnica



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

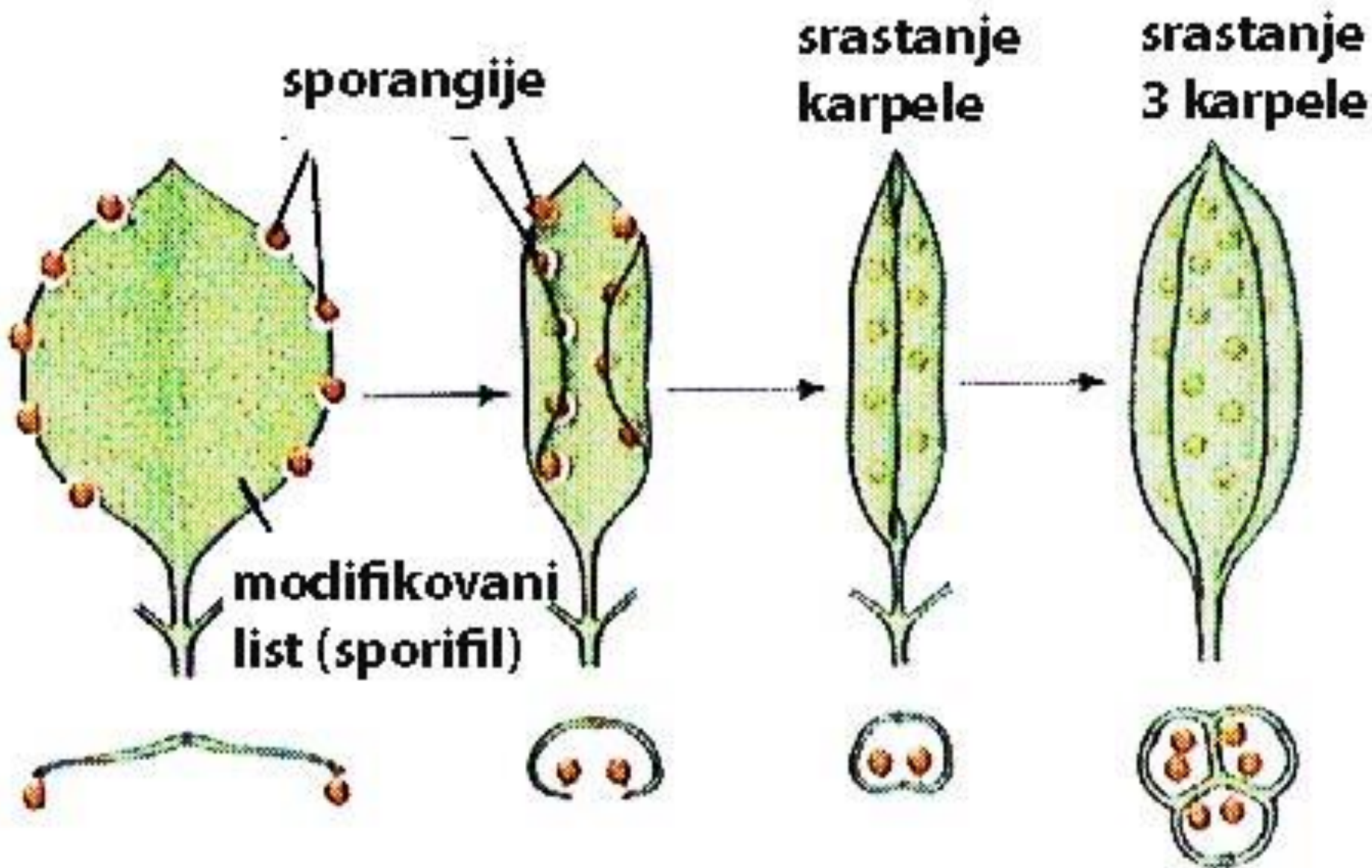
- cvijet= izmijenjeni izdanak sa listovima
- čašica nesumnjivo vodi porijeklo od listova, dok se porijeklo kruničnih listića izvodi od sterilnih listolikih prašnika.

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

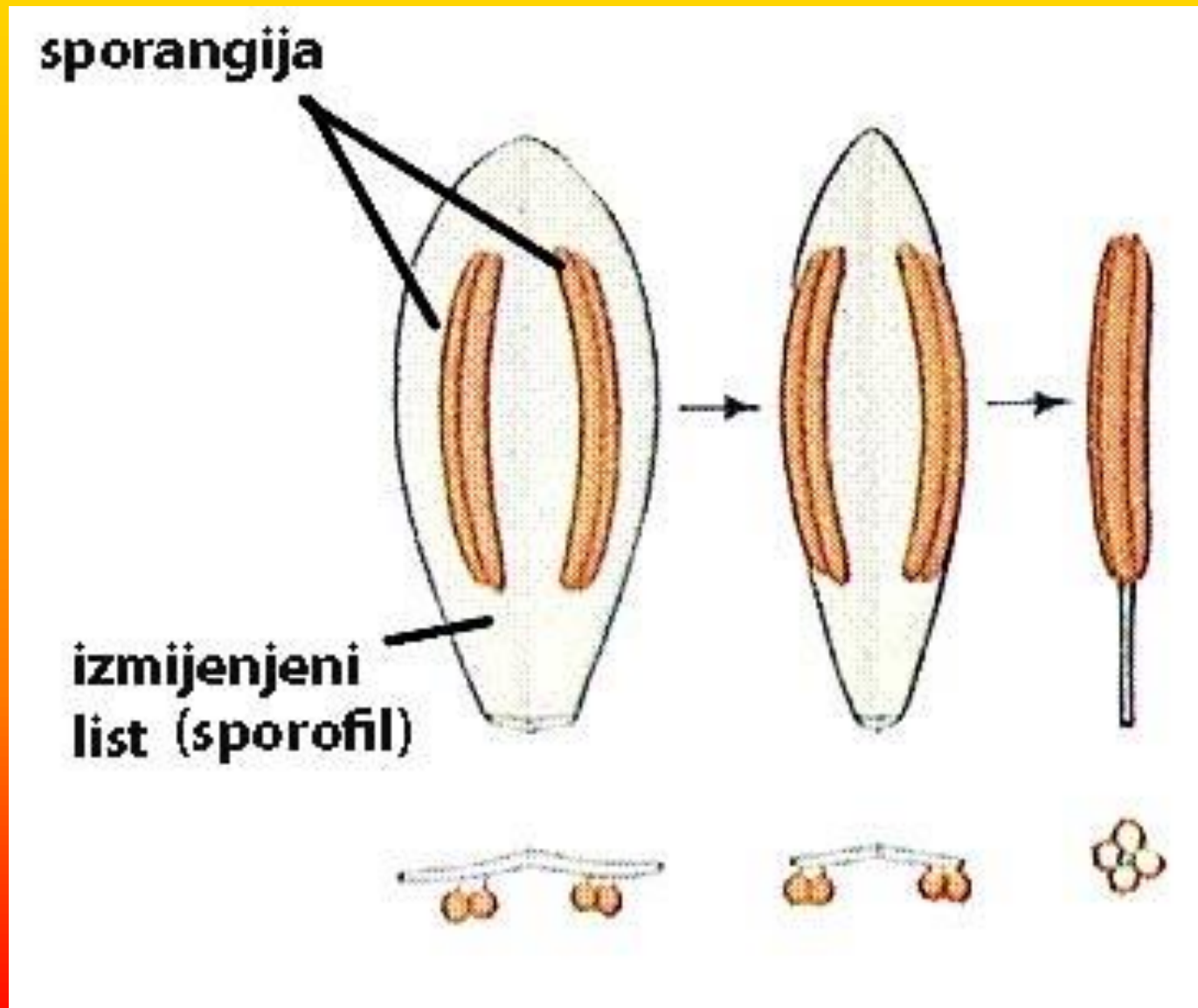
Fertilni prašnici



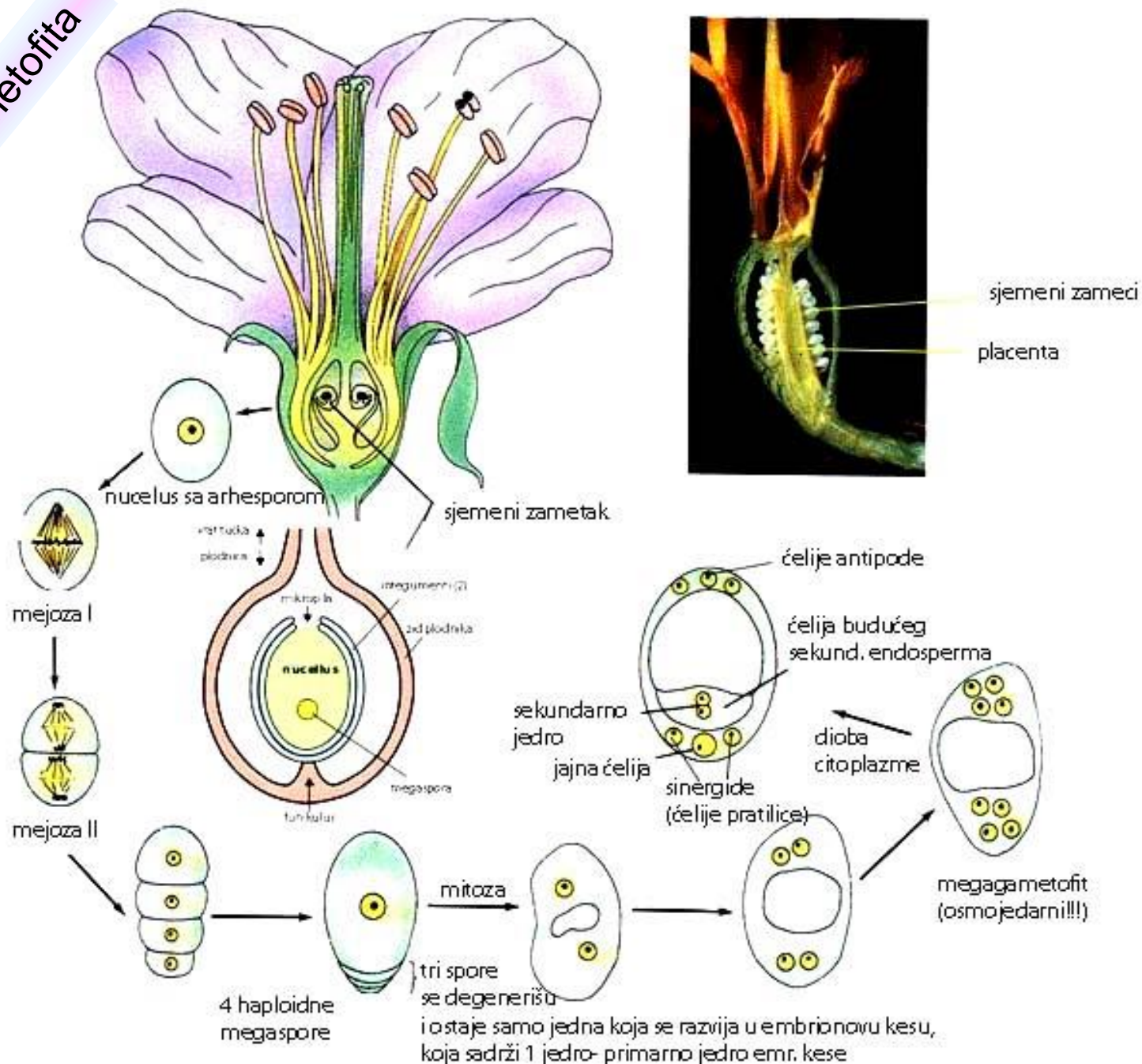
Postanak oplodnih listića- plodnika



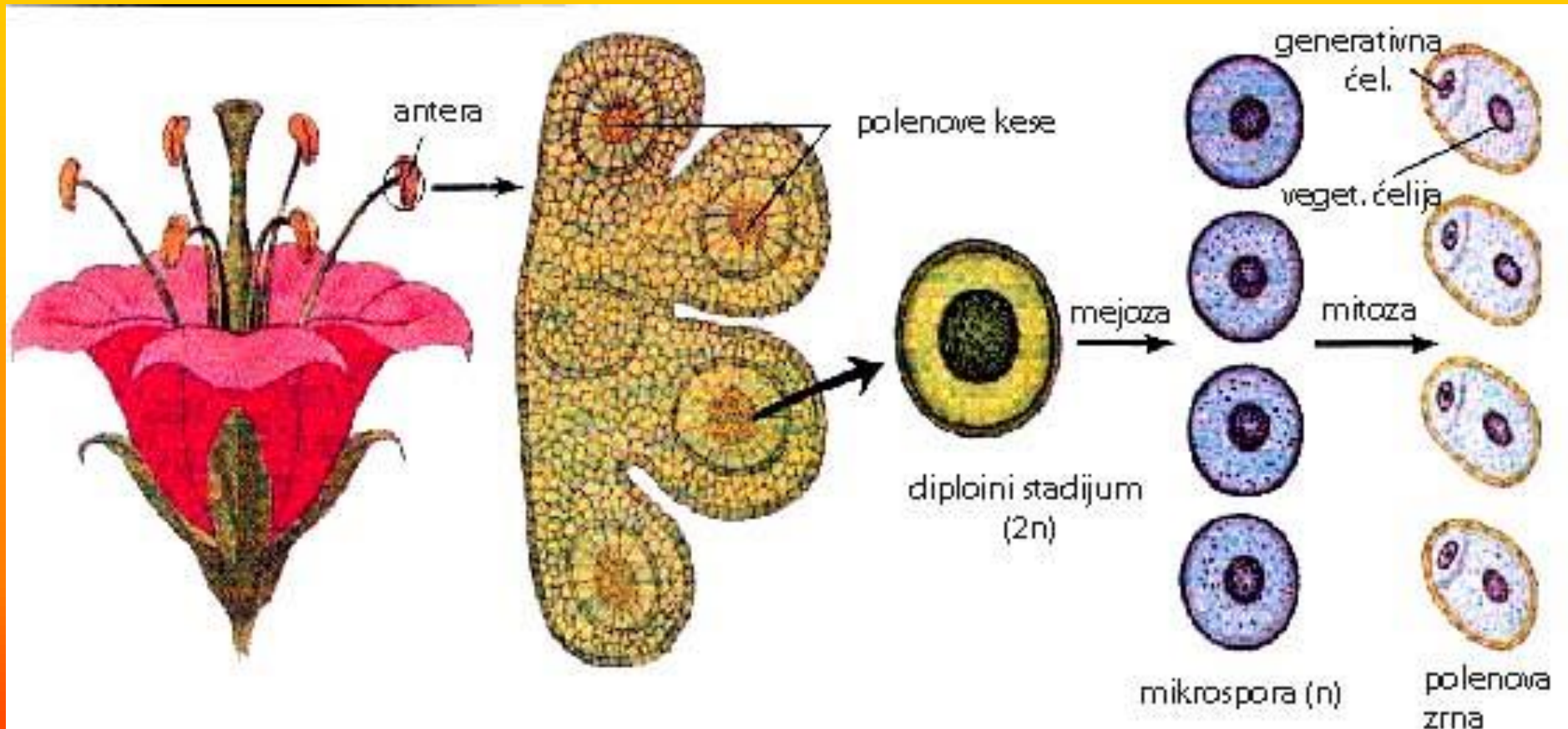
Postanak prašnika



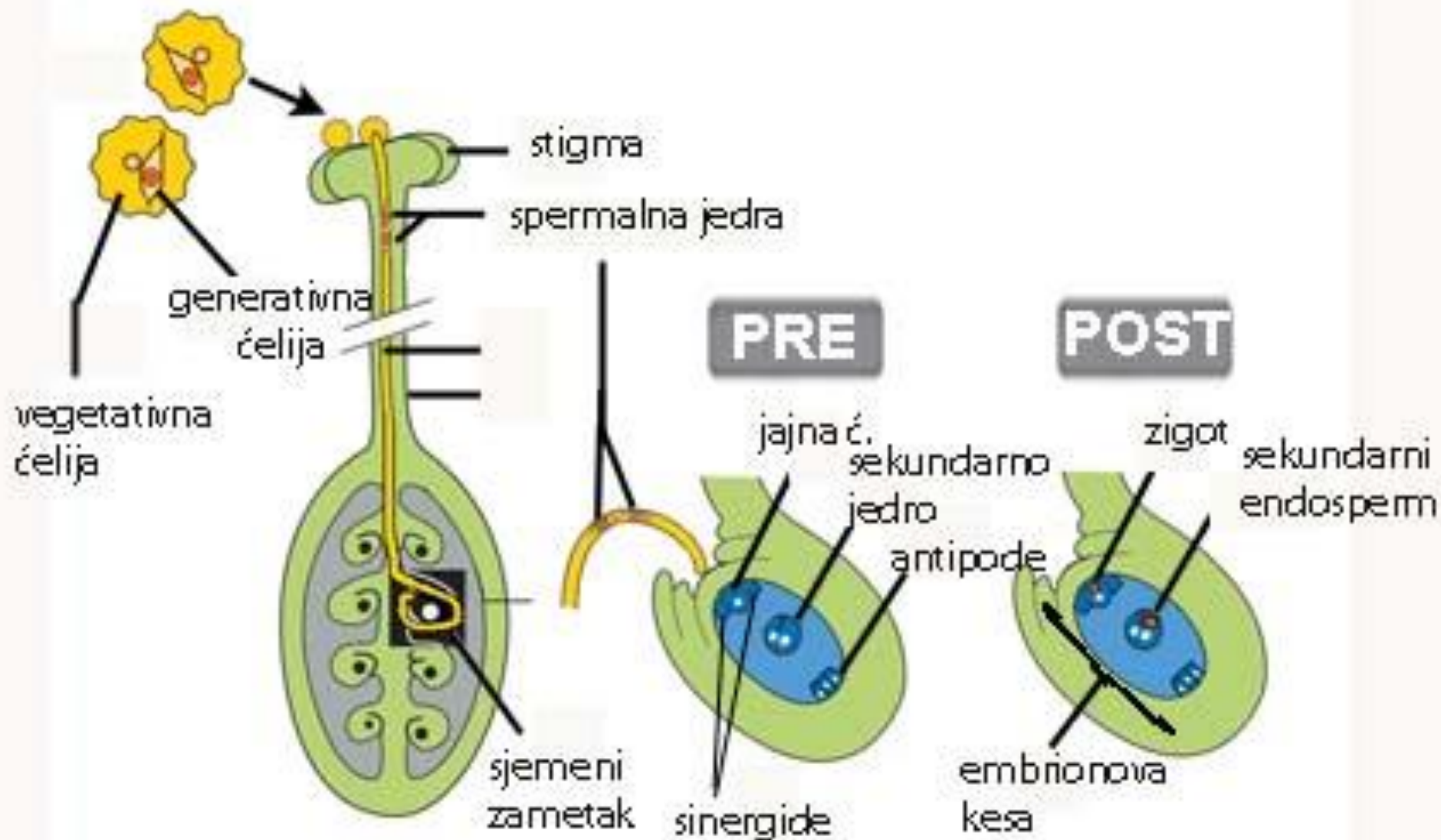
Razviće ženskog gametofita



Razviće muškog gametofita



Akt oplodnje



kritosjemenjače (Angiospermae)

središnje kritosjemenjače (Mezangiospermae)

dvosupnice

dvosupnice

bazalne kritosjemenjače
ANITA linija

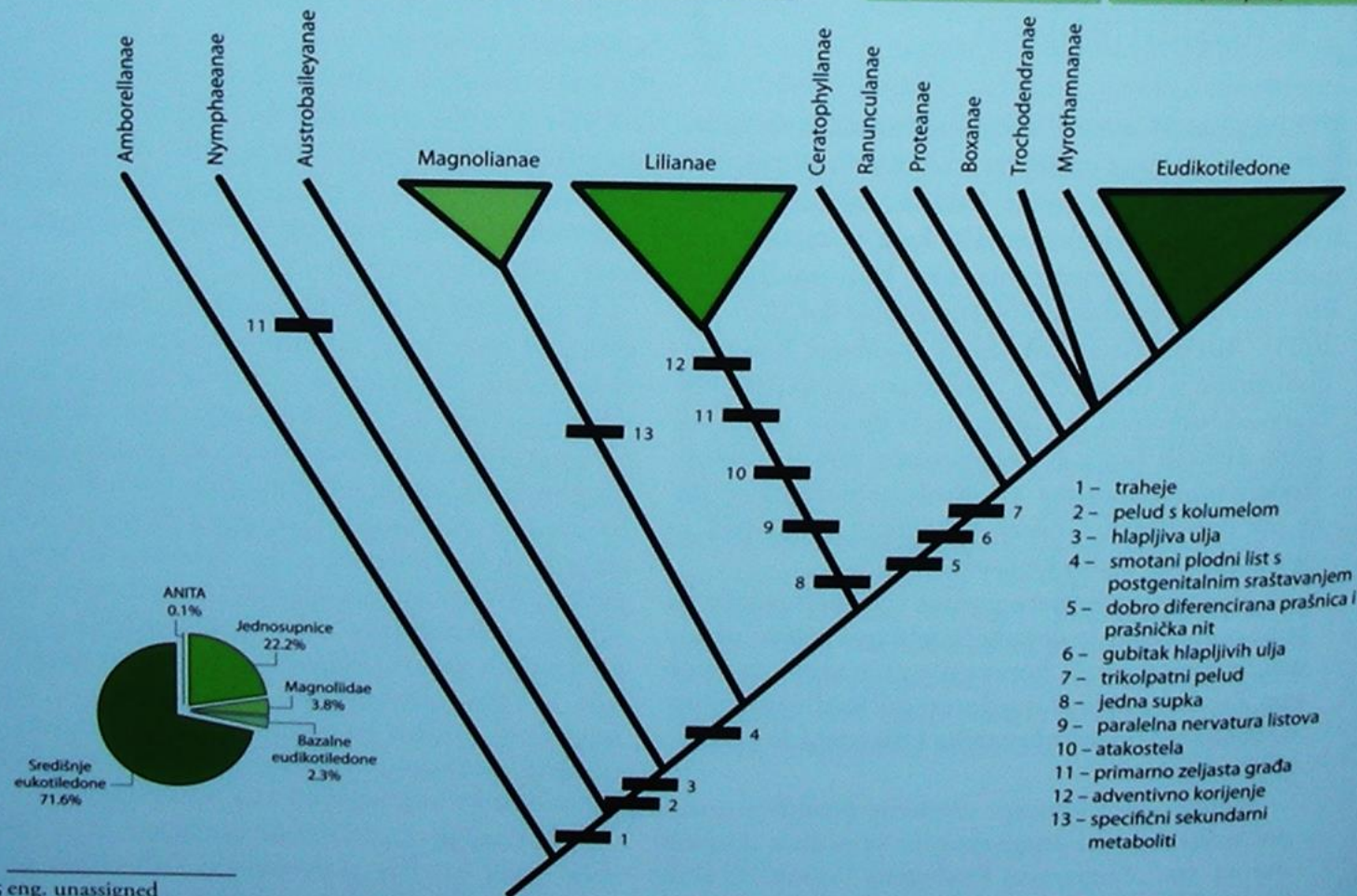
magnolidni
kompleks

jednosupnice

prave dvosupnice (eudikotiledone)

bazalne eudikotiledone

središnje eudikotiledone
(trikolpate)



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