

# Uvod u sistematiku skrivenosjemenjača (Angiospermae, Magnoliidae)

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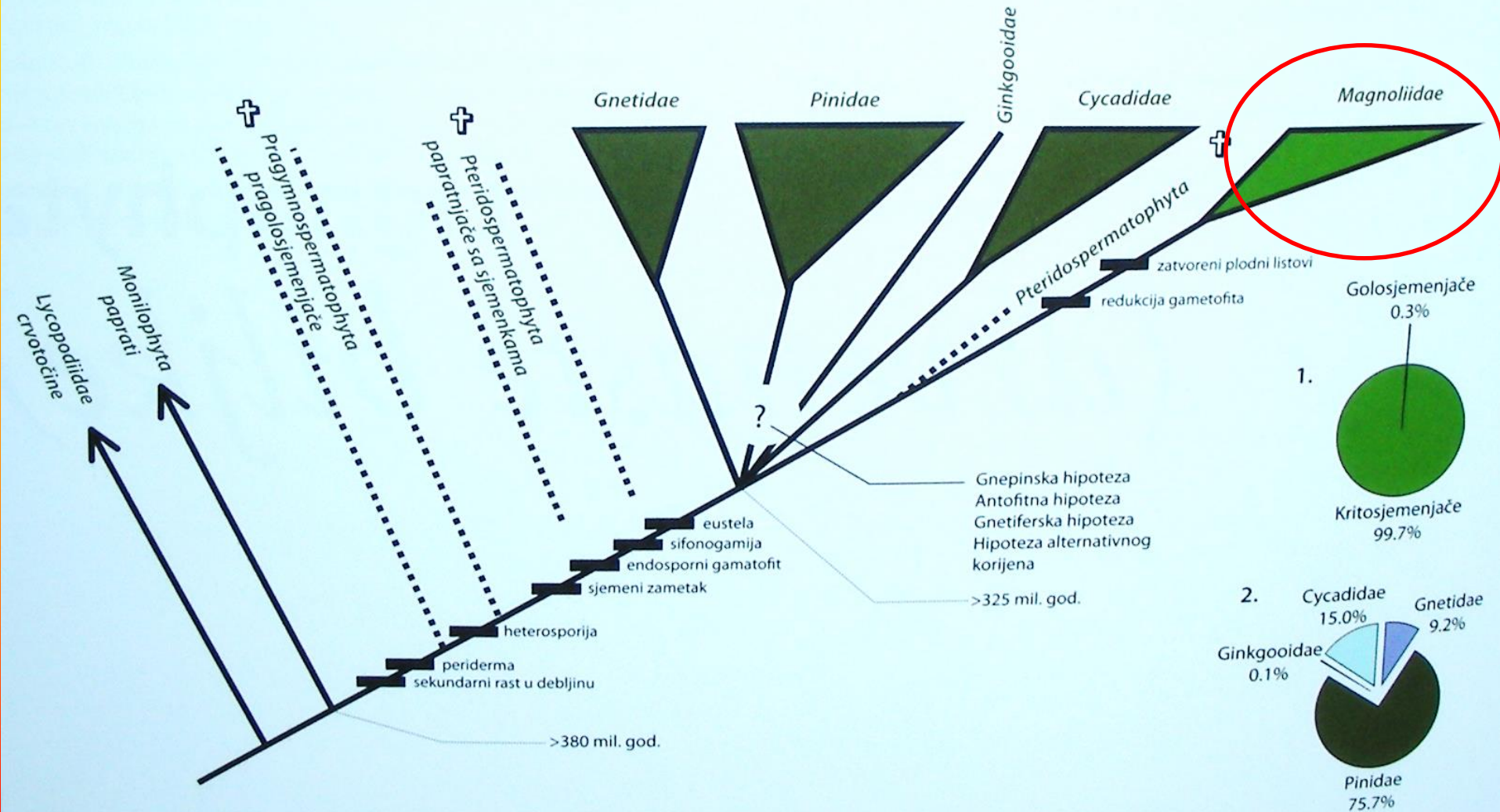
Predavanje I, 16.02.2021.

# drvenaste biljke (*Lignophyta*)

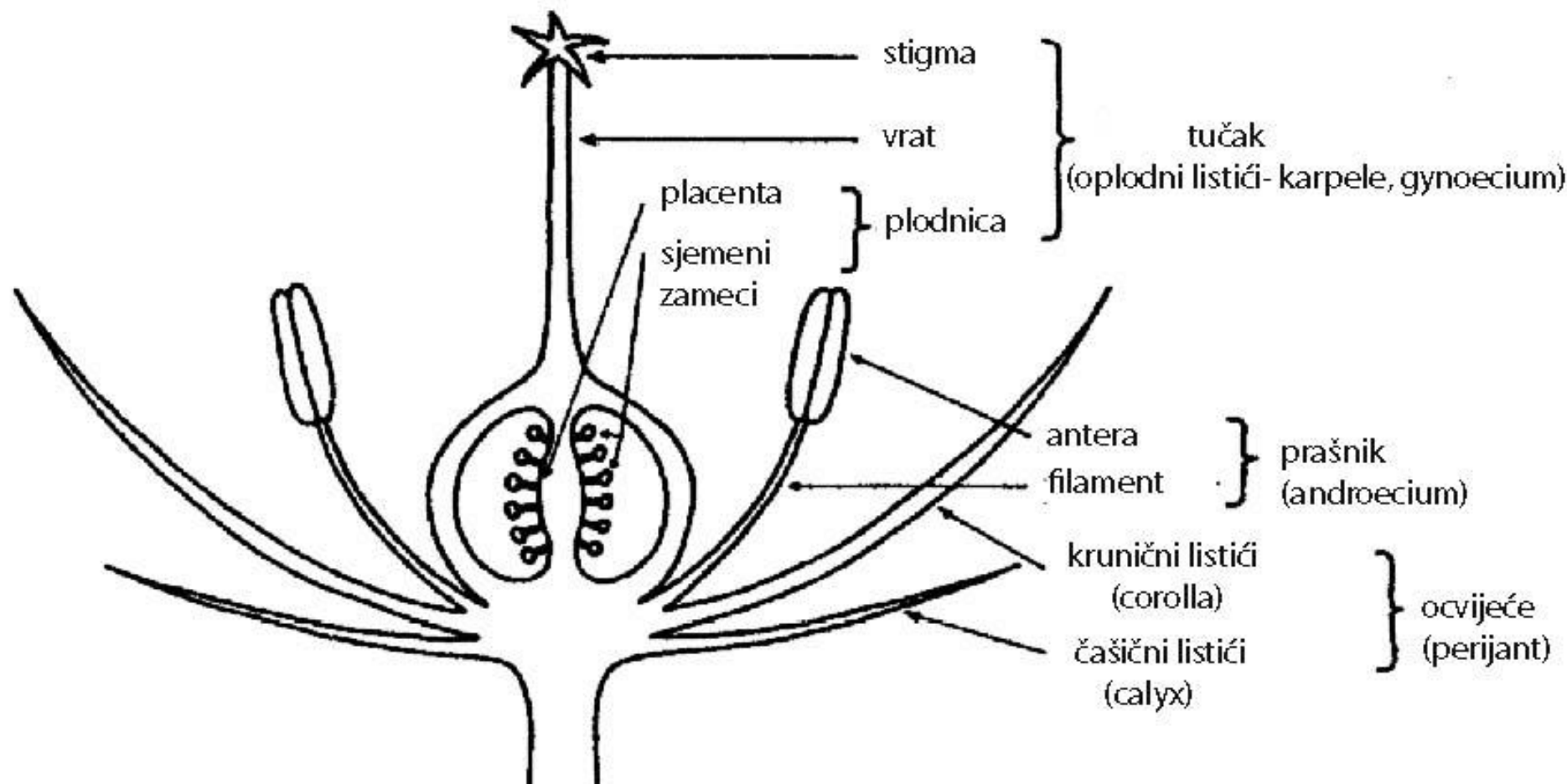
## sjemenjače (*Spermatophyta*)

### golosjemenjače (*Gymnospermae*)

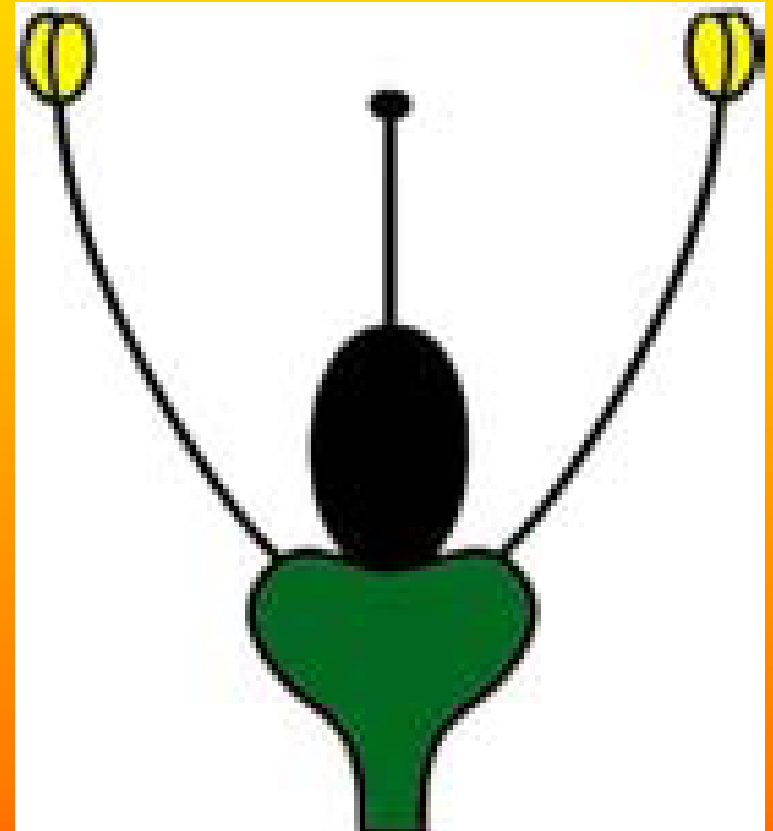
### kritosjemenjače (*Angiospermae*)

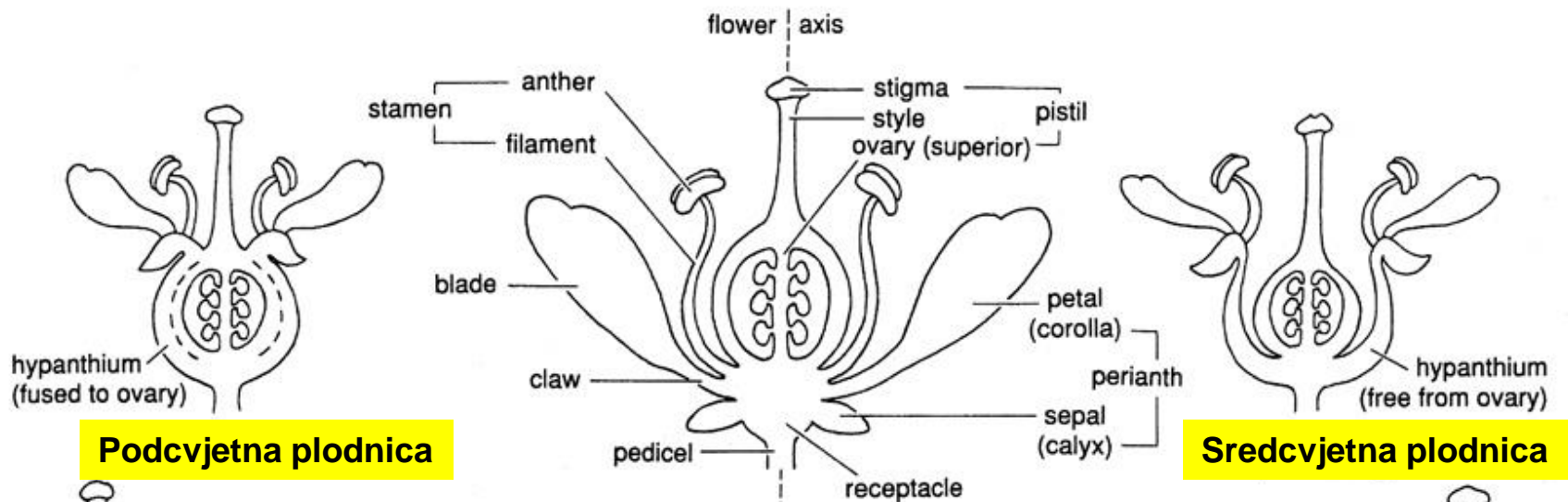


# Građa heterohlamidnog cvijeta



# Homohlamidan i ahlamidan cvijet

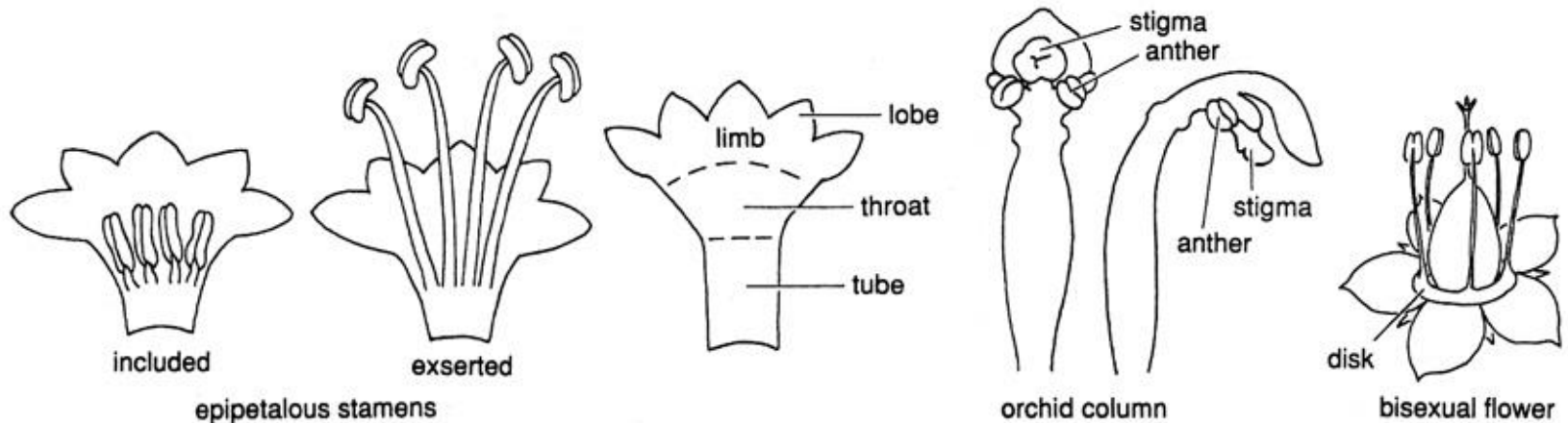
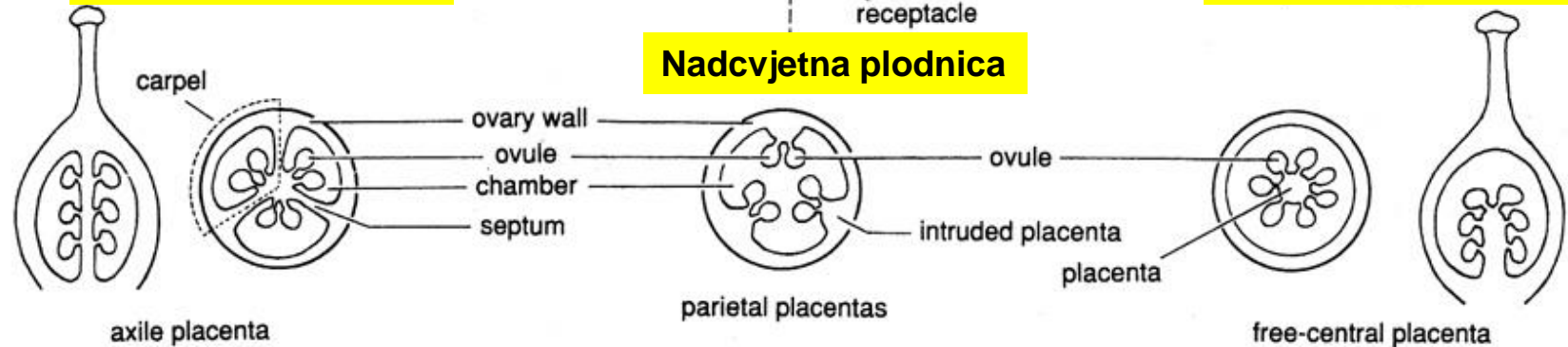




**Podcvjetna plodnica**

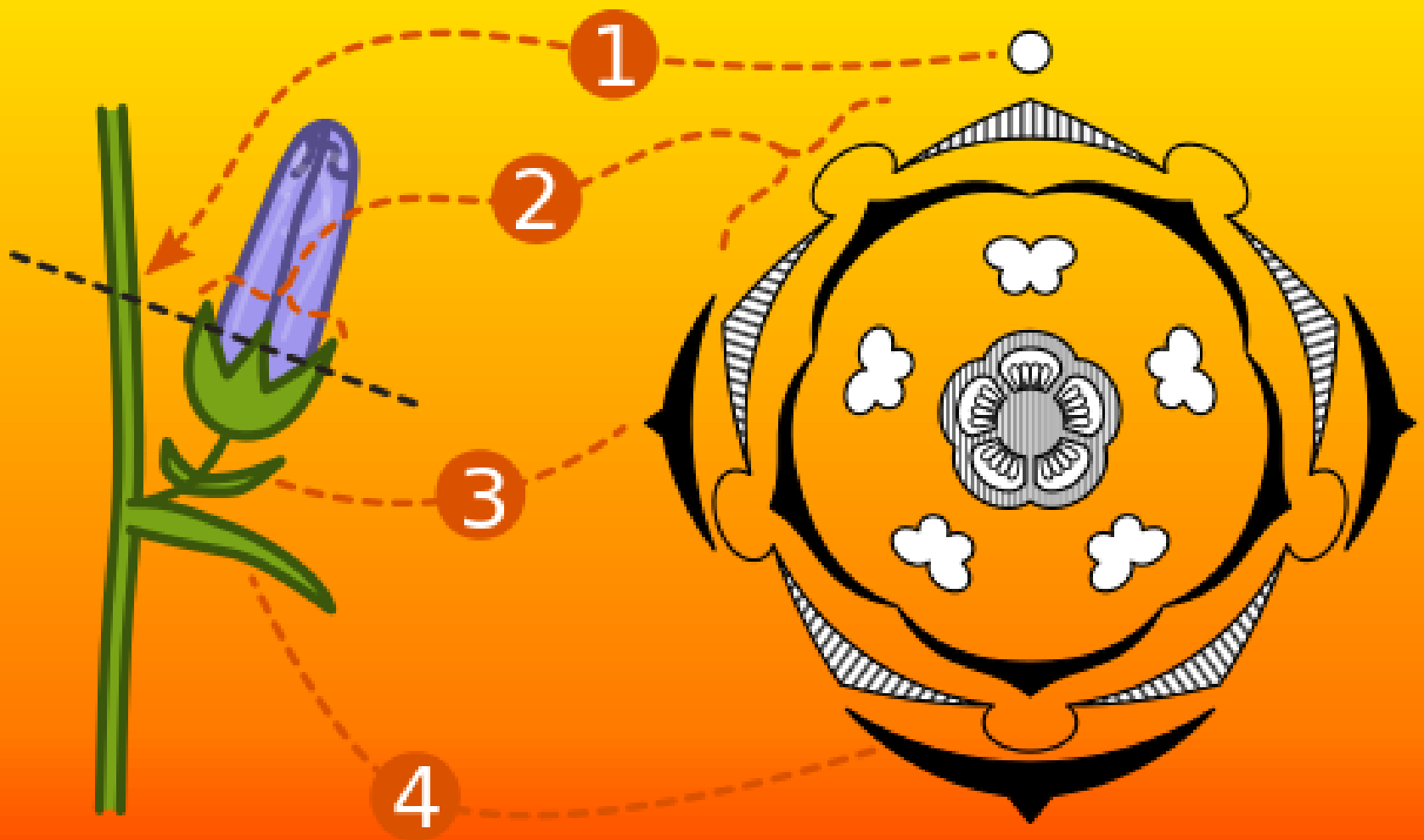
**Sredcvjetna plodnica**

**Nadcvjetna plodnica**





# Cvjetni dijagram



# Cvjetna formula

- \*- višesimetričan cvijet
- $\uparrow$ - jednosimetričan cvijet
- K – calyx
- C- corolla
- P- perigon
- A- andreceum
- G- gyneceum
- n- broj elemenata
- $\infty$ - 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.

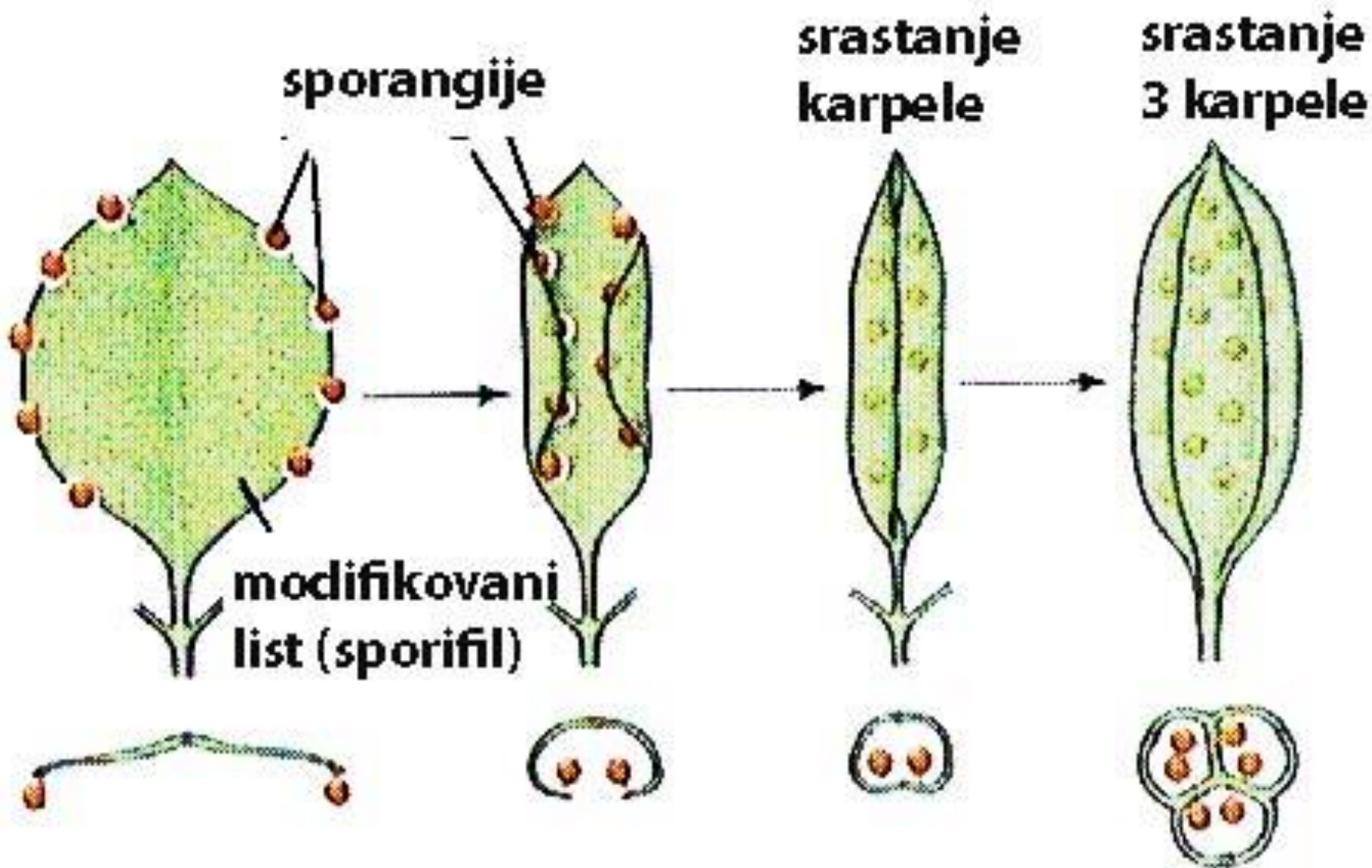
Sterilni prašnici, koji prelaze u listiće krunice tzv. andropetalna krunica

Fertilni prašnici

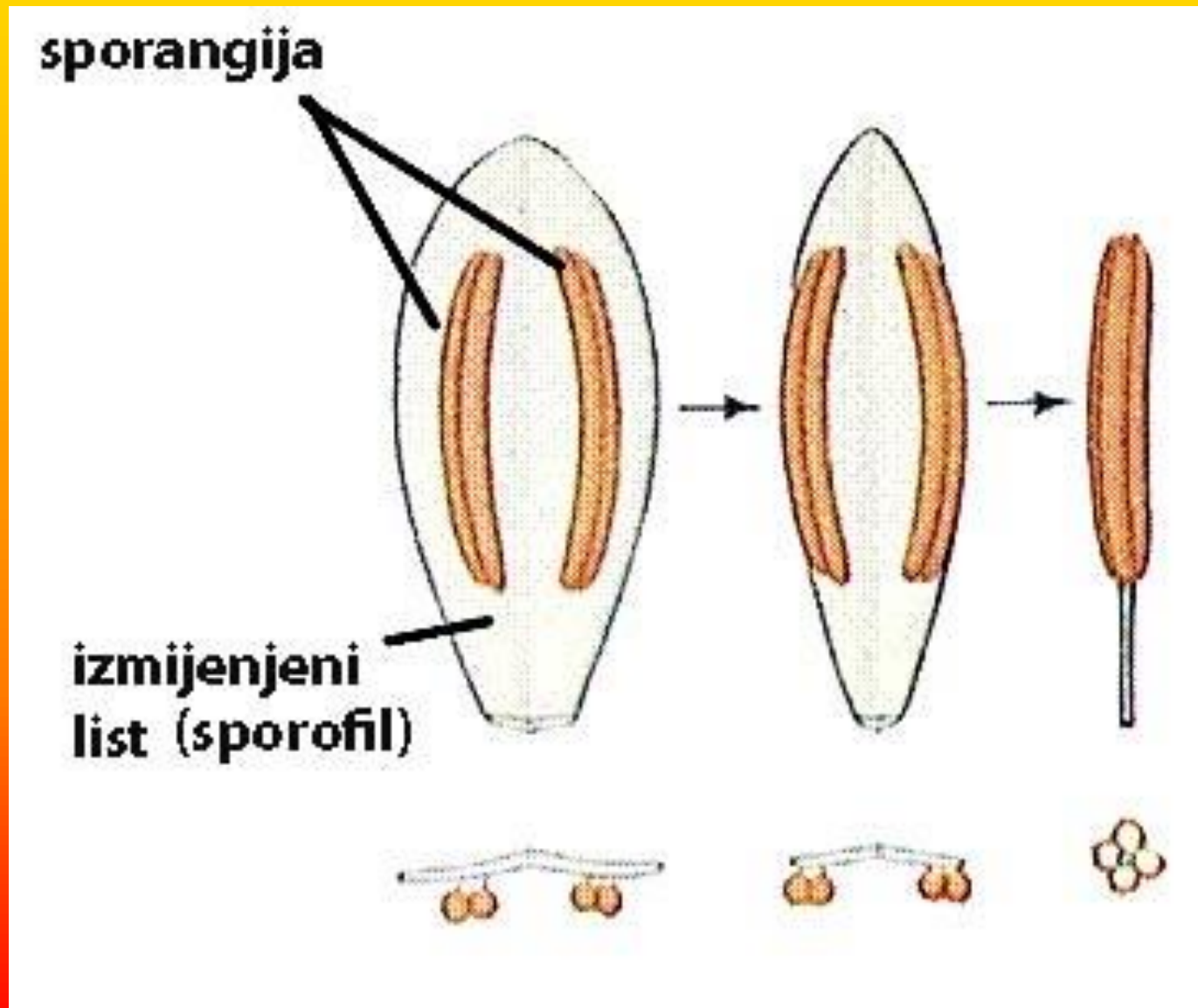




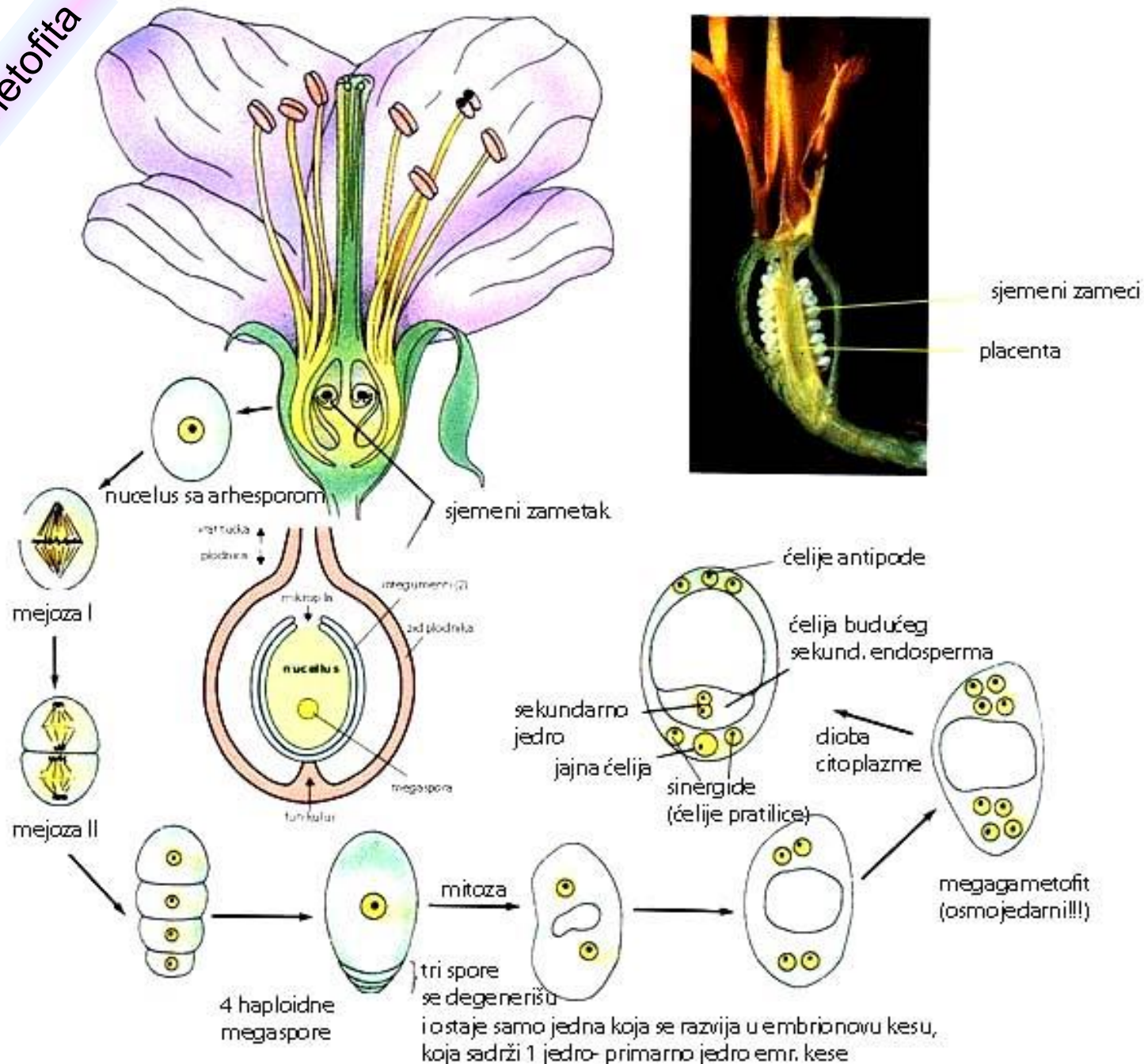
# Postanak oplodnih listića- plodnika



# Postanak prašnika

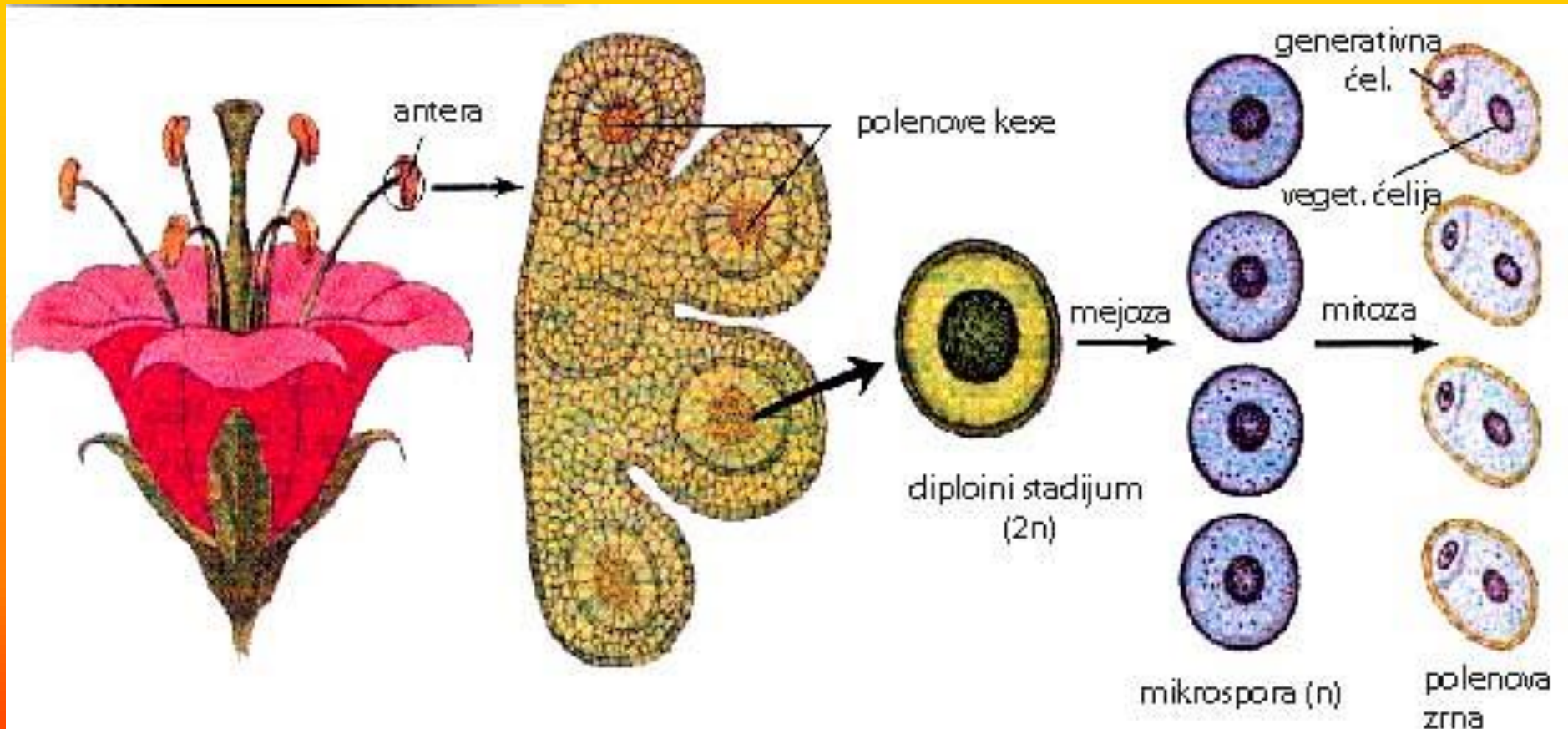


# Razviće ženskog gametofita

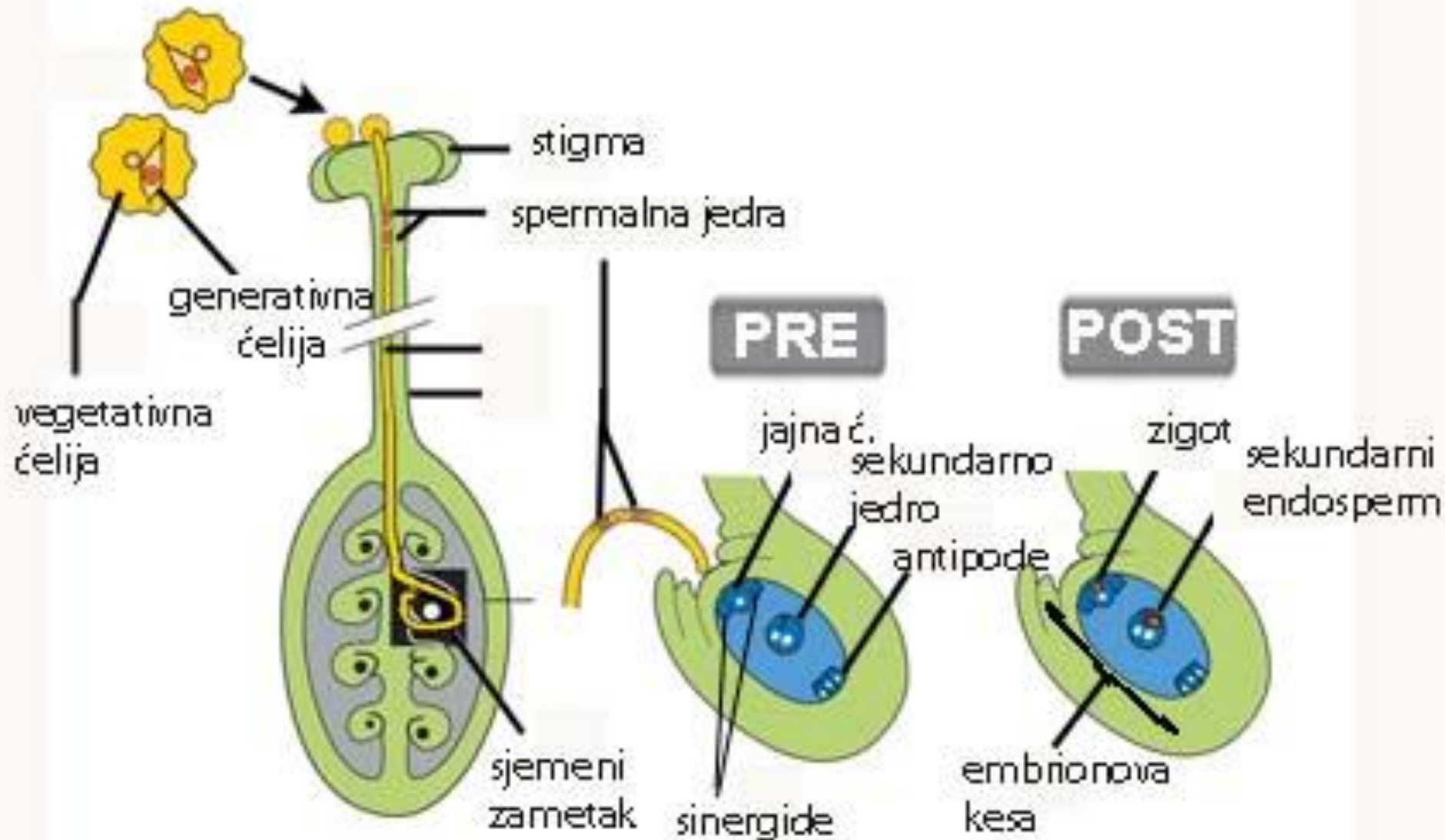




# Razviće muškog gametofita



# Akt oplodnje





# kritosjemenjače (Angiospermae)

## središnje kritosjemenjače (Mezangiospermae)

dvosupnice

dvosupnice

bazalne kritosjemenjače  
ANITA linija

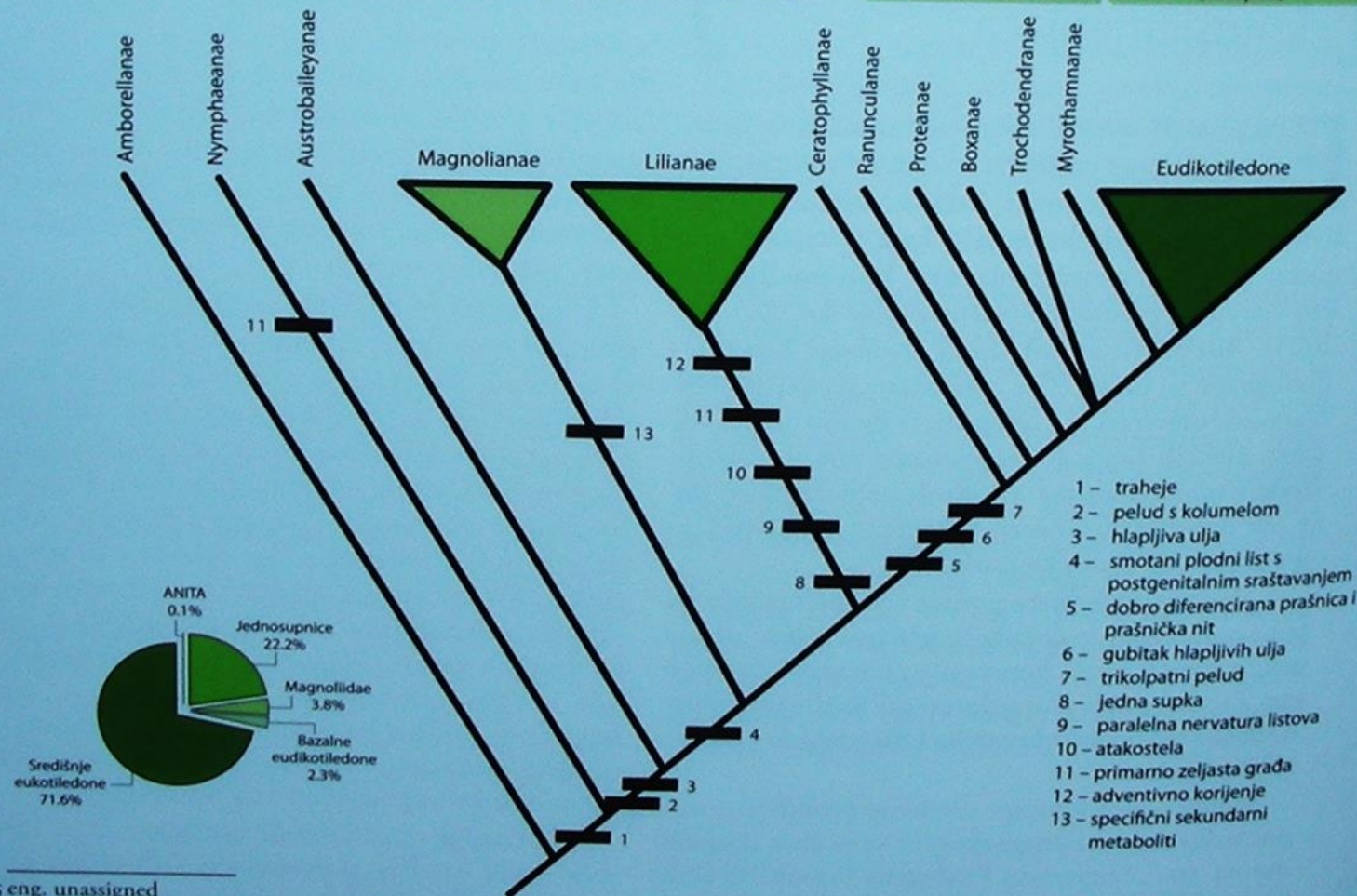
magnolidni  
kompleks

jednosupnice

prave dvosupnice (eudikotiledone)

bazalne eudikotiledone

središnje eudikotiledone  
(trikolpate)



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