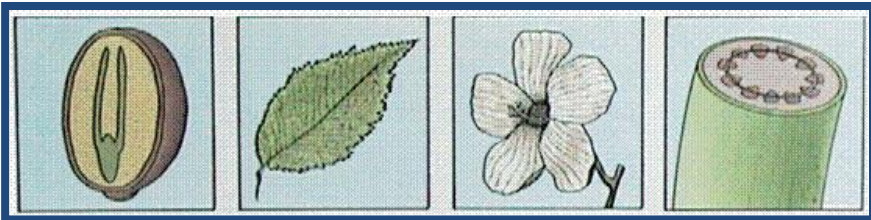


# RAZLIKE IZMEĐU KLASA

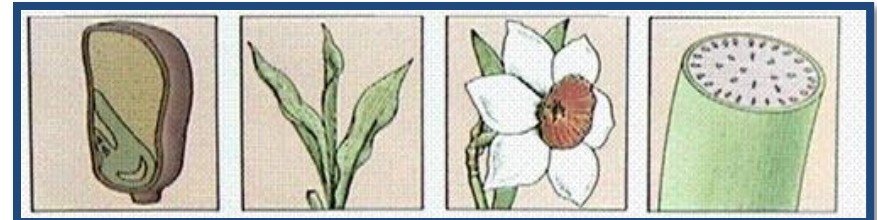
## Classis: *Magnoliopsida*

- Embrion sa 2 kotiledona;
- Primarni korijen klice se razvija u glavni korijen;
- Provodni snopići u stablu kružno raspoređeni – moguće je razlikovati koru i srž;
- Drvenaste i zeljaste forme;
- Listovi uglavnom sa drškom, najčešće sa mrežastom, rjeđe lučnom ili paralelnom nervaturom;
- Cvjetovi 5-člani, rjeđe 4-člani.

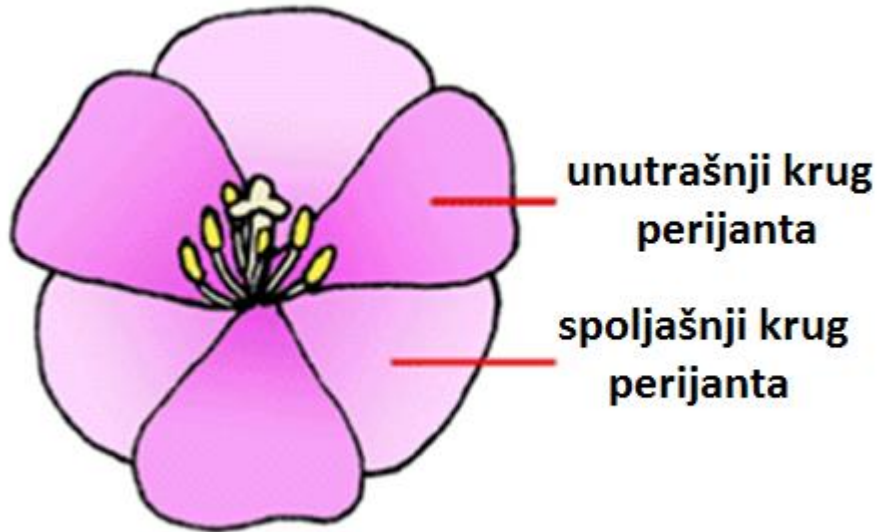


## Classis: *Liliopsida*

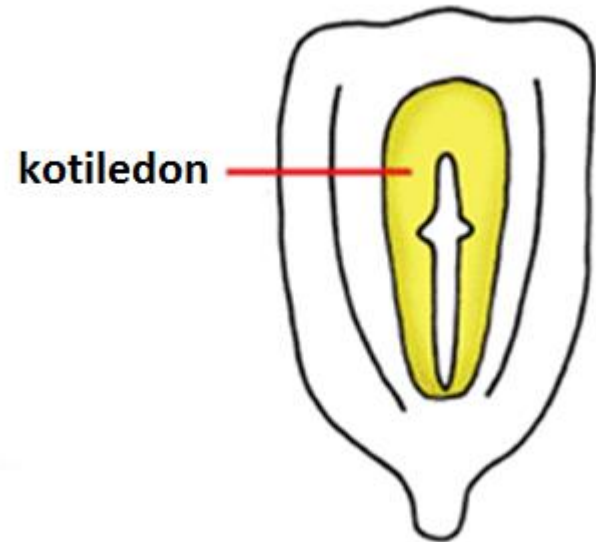
- Embrion sa 1 kotiledonom;
- Prim. kor. klice brzo odumire i zamjenjuju ga adventivni;
- Prov. snop. u stablu nepravilno raspoređeni – nije moguće razlikovati koru i srž;
- Trajnice ili sekundarno drveće;
- Listovi uglavnom nerazdijeljeni na dršku i lisku, sa paralelnom nervaturom, rijetko lučnom;
- Cvjetovi 3-člani, nekad 5-člani.



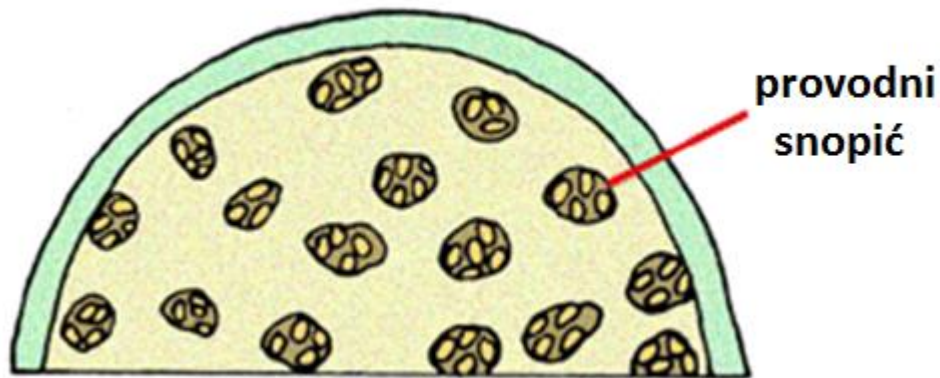
# Karakteristike monokotila



TROČLANI CVIJET



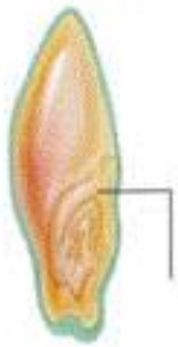
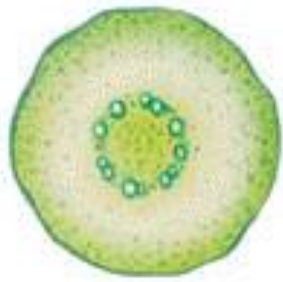



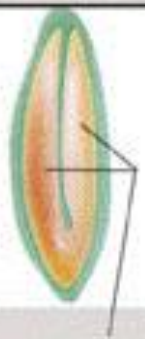




SJEME SA 1 KOTILEDONOM

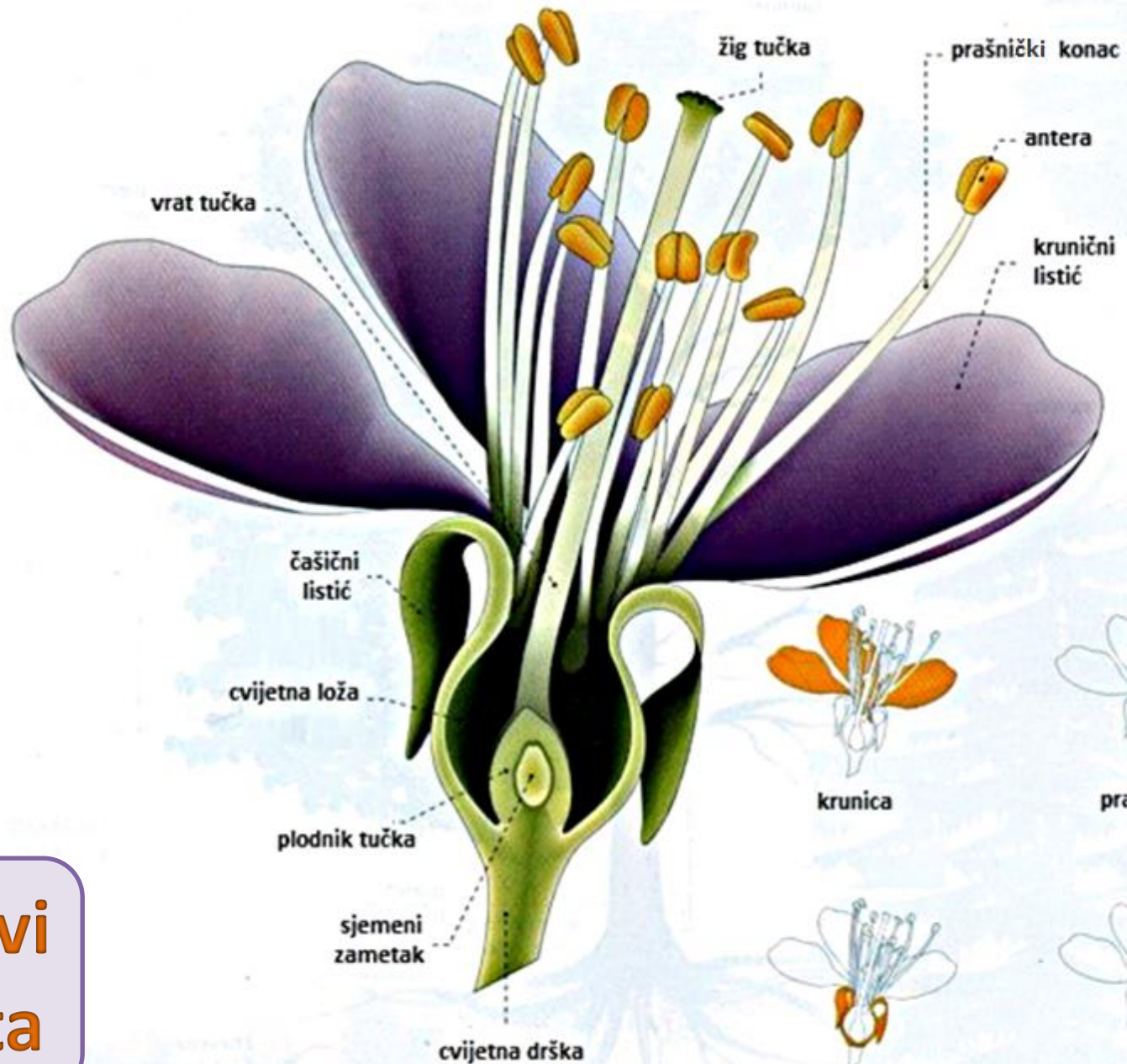


RAZBACANI PROVODNI SNOPIĆI

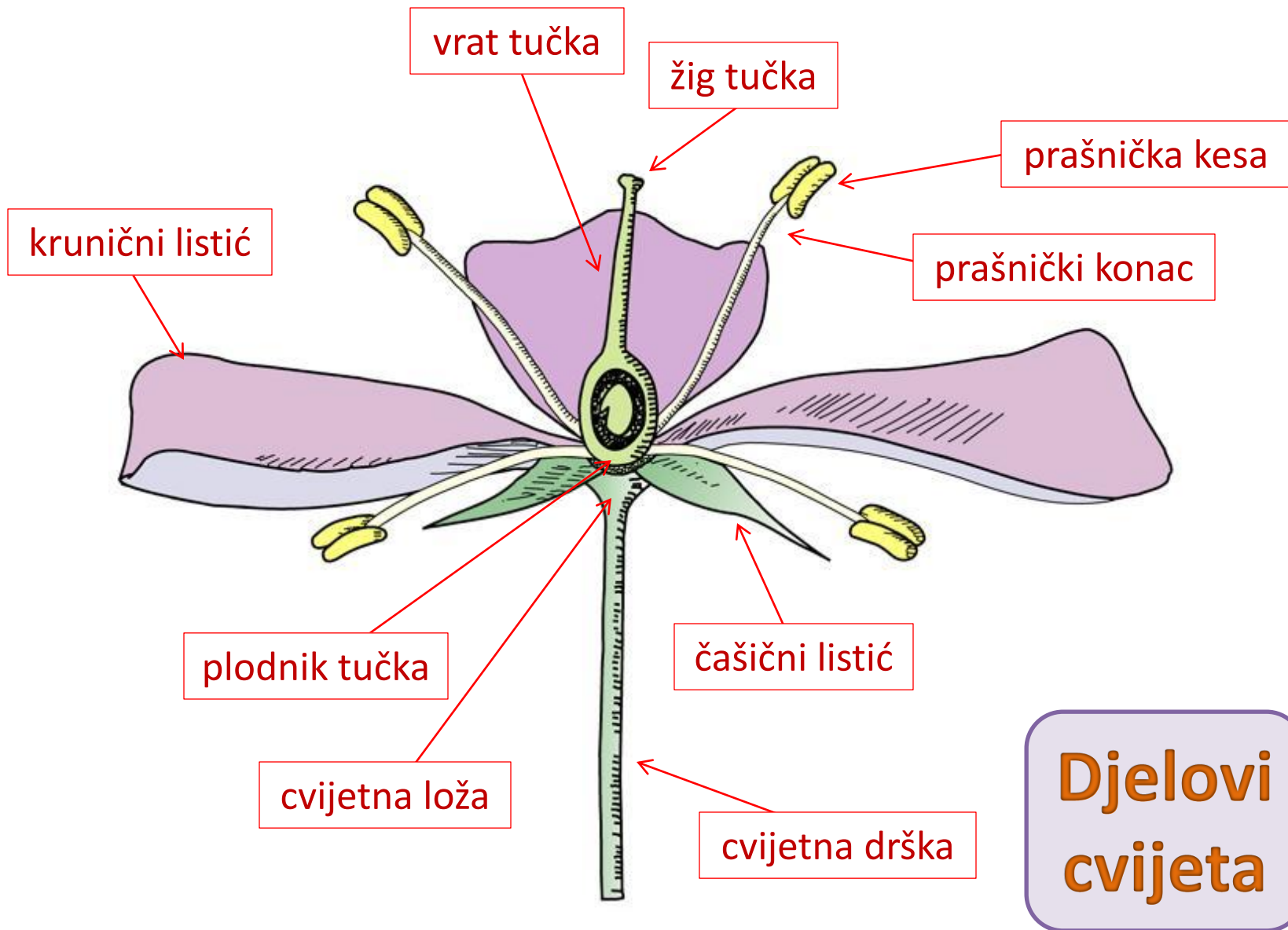


LISTOVI SA PARALELONOM NERVATUROM

	Seed	Root	Stem	Leaf	Flower
<b>Mono-cots</b>					
		root xylem and phloem in a ring	vascular bundles scattered in stem	leaf veins form a parallel pattern	flower parts in threes and multiples of three
<b>Eudi-cots</b>					
		root phloem between arms of xylem	vascular bundles in a distinct ring	leaf veins form a net pattern	flower parts in fours or fives and their multiples



# Djelovi cvijeta

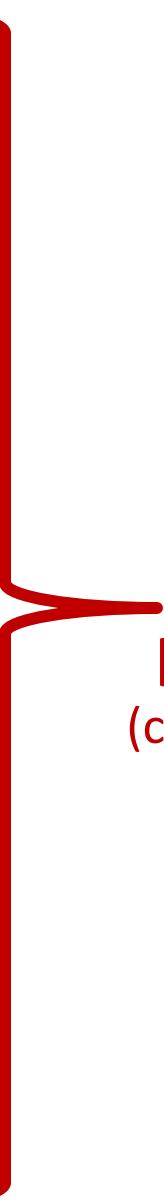


**Djelovi  
cvijeta**



krunica

čašica



**dvojan  
perijant**  
(cvijetni omotač)

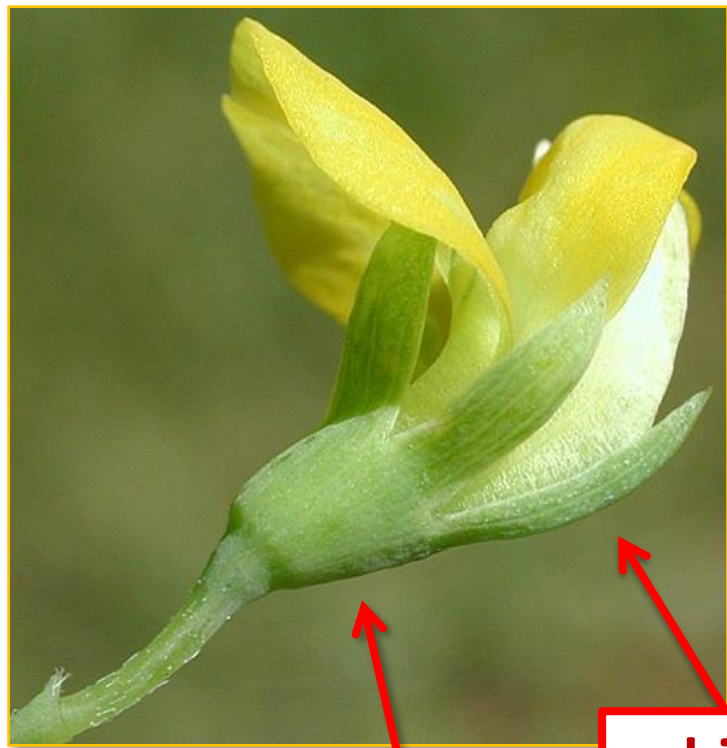


unutrašnji listići

spoljašnji listići

prost  
perijant  
(perigon)

srasla čašica



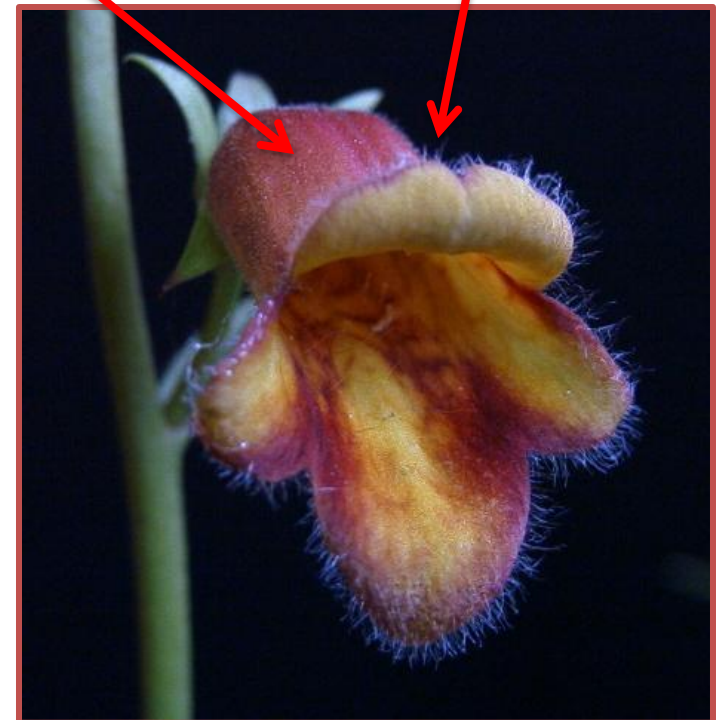
cijev čašice

zubić čašice

cijev krunice

lijevak krunice

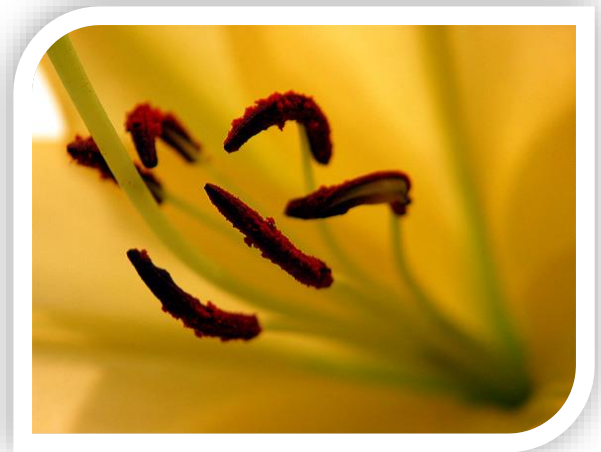
srasla krunica





## prašnici i tučak

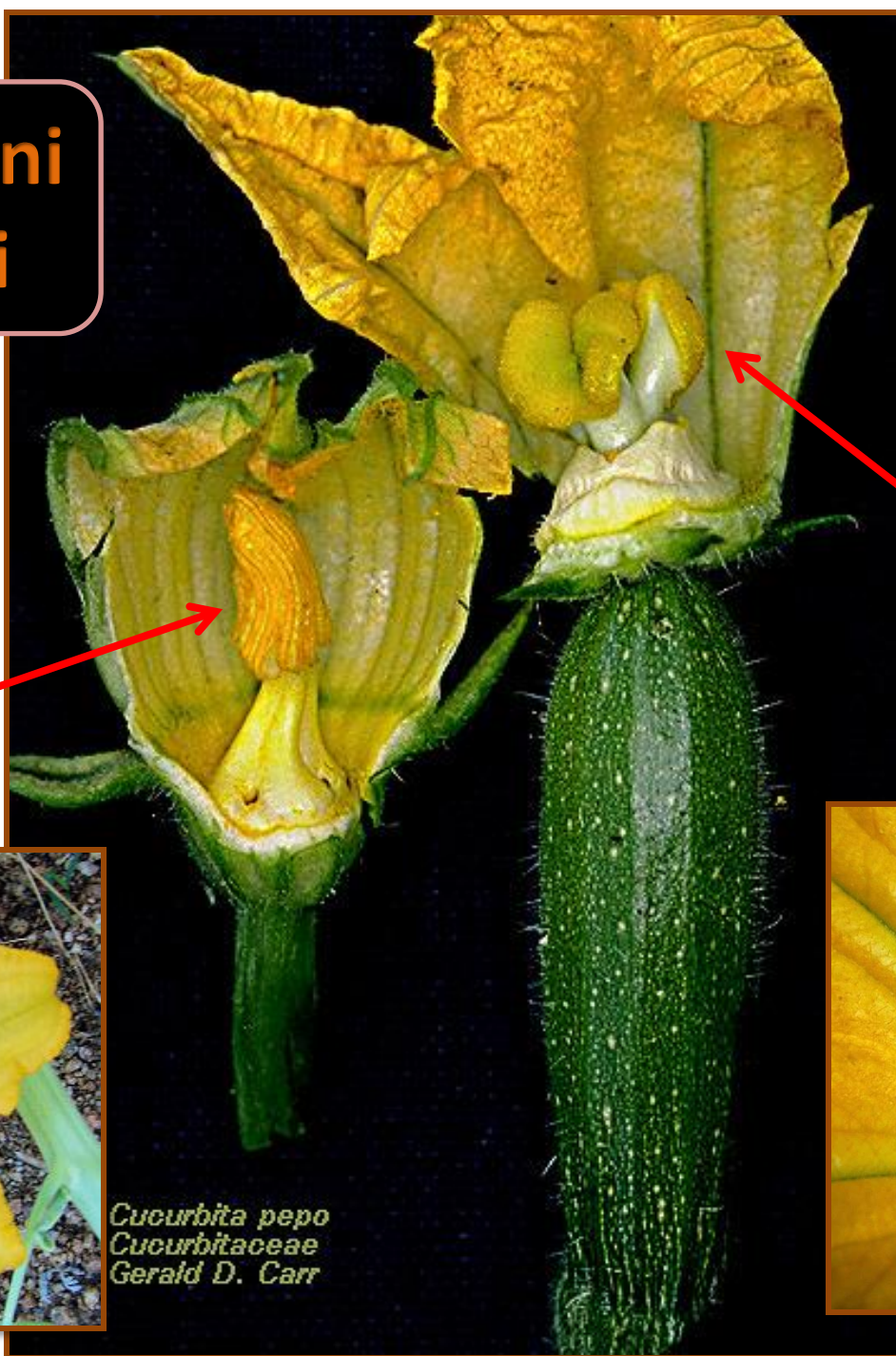
1. žig tučka
2. vrat tučka
3. prašnička kesa
4. prašnički konac
5. list perijanta



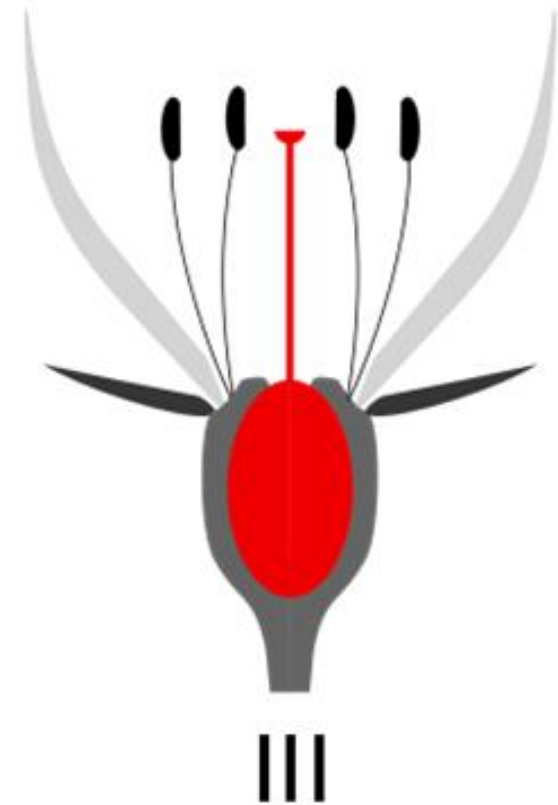
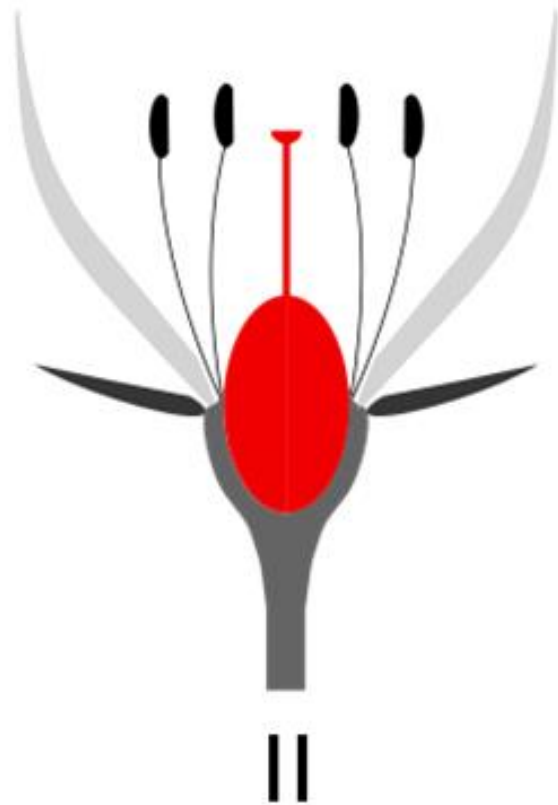
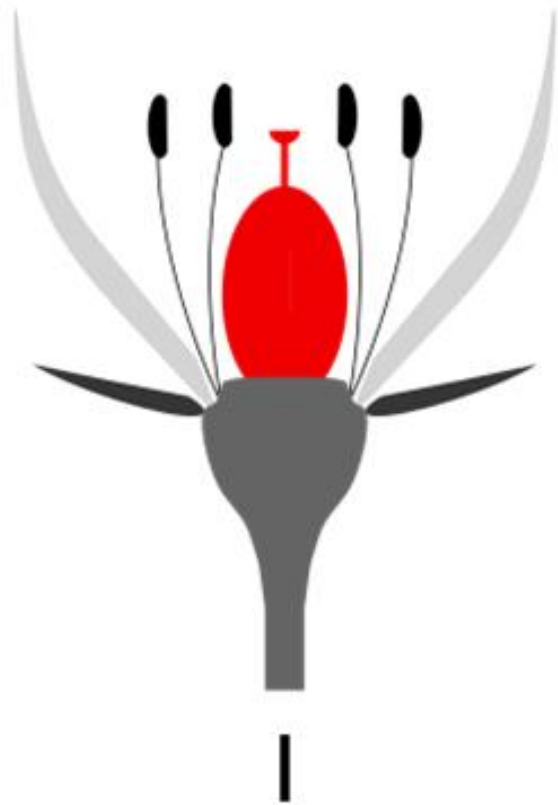
**jednopolni  
cvjetovi**

**prašnici**

**tučak**



*Cucurbita pepo*  
*Cucurbitaceae*  
*Gerald D. Carr*



***položaj plodnika u cvijetu:***

I — nadcvtetan, II — sredcvtetan, III — podcvtetan.

# Formula cvijeta

## simetrija cvijeta:

↑ zigomorfan cvijet



\* aktinomorfan cvijet



# Formula cvijeta

## elementi cvijeta:

- P** cvijet sa prostim perijantom
- K** čašica (*calyx*)
- C** krunica (*corolla*)
- A** prašnici (*androecium*)
- G** tučak (*gynoecium*)



# Formula cvijeta

## raspored polova u cvijetu:

- ♂ jednopolni muški cvjetovi
- ♀ jednopolni ženski cvjetovi
- ♂♀ hermafroditni (dvopolni) cvjetovi

## ostali simboli:

- $\infty$  ako je broj nekih cvjetnih dijelova neodređen
- 0** ako je neki pršljen redukovan
- (...)** kada su listovi srasli (K, C, A ili G listovi)
- x + x** kada imamo dva kruga istih organa
- $\bar{x}$**  podcvjetan plodnik
- $\underline{x}$**  nadcvjetan plodnik
- [...]** kada srastaju dijelovi različitih krugova (npr. A i G)