

Vježba 3. i 4.

- Subdivisio: **MASTIGOMYCOTINA**
- Subdivisio: **ASCOMYCOTINA**

Subdivisio: **MASTIGOMYCOTINA**

Classis: **CHYTRIDIOMYCETES**

Ordo: **CHYTRIDIALES**

Synchytrium endobioticum (izazivač raka krompira)

Classis: **OOMYCETES**

Ordo: **SAPROLEGNIALES**

Saprolegnia sp. (oogonije)

Ordo: **PERONOSPORALES**

Familia: **Peronosporaceae**

Plasmopara viticola (plamenjača vinove loze)

Peronospora tabacina (plamenjača duvana)



***Synchytrium
endobioticum***

(izazivač raka krompira)



zoosporangije u tkivu domaćina



zoosporangija



zoosporangija

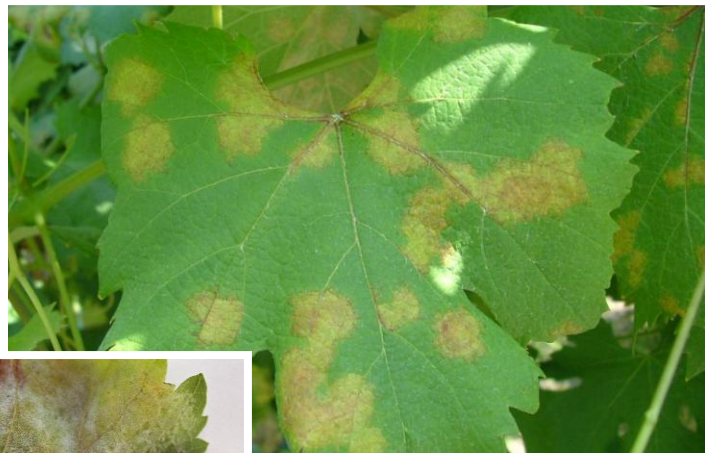
zaraženo
tkivo domaćina

***Synchytrium
endobioticum***

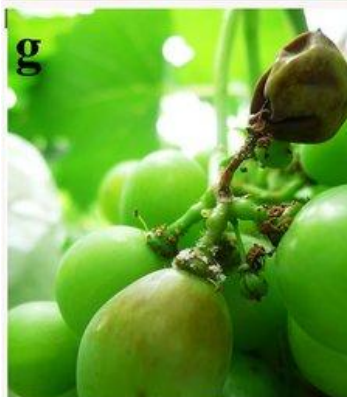


presjek kroz zaraženo tkivo krompira

Plasmopara viticola



(biljka domaćin i promjene
na njenim različitim djelovima) 7360





Peronospora tabacina

**dihotomo granati
konidiofori
sa konidijama**



Saprolegnia sp.



Subdivisio: **ASCOMYCOTINA**

1) Presjek kroz himenijum

2) Tipovi askokarpa (plodonosnog tijela):

- **kleistotecija**
- **peritecija**
- **apotecija**

Subdivisio: **ASCOMYCOTINA**

Classis: **HEMIASCOMYCETES**

Ordo: **ENDOMYCETALES**

Familia: Saccharomycetaceae

Saccharomyces cerevisiae (kvasac)

Ordo: **TAPHRINALES**

Familia: Taphrinaceae

Taphrina pruni (rogač)

Taphrina deformans (kovrčavost lista breskve)

Classis: **PYRENOMYCETES**

Ordo: ERYSIPHALES

Familia: Erysiphaceae

Erysiphe graminis

Microsphaera alphitoides (pepelnica hrasta)

Uncinula necator (pepelnica vinove loze)

Podosphaera leucotricha (pepelnica jabuke)

Ordo: SPHAERIALES

Familia: Polystigmataceae

Polystigma rubrum (plamenjača šljive)

Familia: Hypocreaceae

Fusarium graminearum

Classis: **DISCOMYCETES**

Ordo: **PEZIZALES**

Familia: **Pezizaceae**

Peziza spp. (presjek kroz apoteciju)

Familia: **Morchellaceae**

Morchella esculenta (smrčak) - apotecija

Classis: **LOCULOASCOMYCETES**

Ordo: **DOTHIDEALES**

Familia: **Mycosphaerellaceae**

Mycosphaerella fragariae (bijela pjegavost jagode)

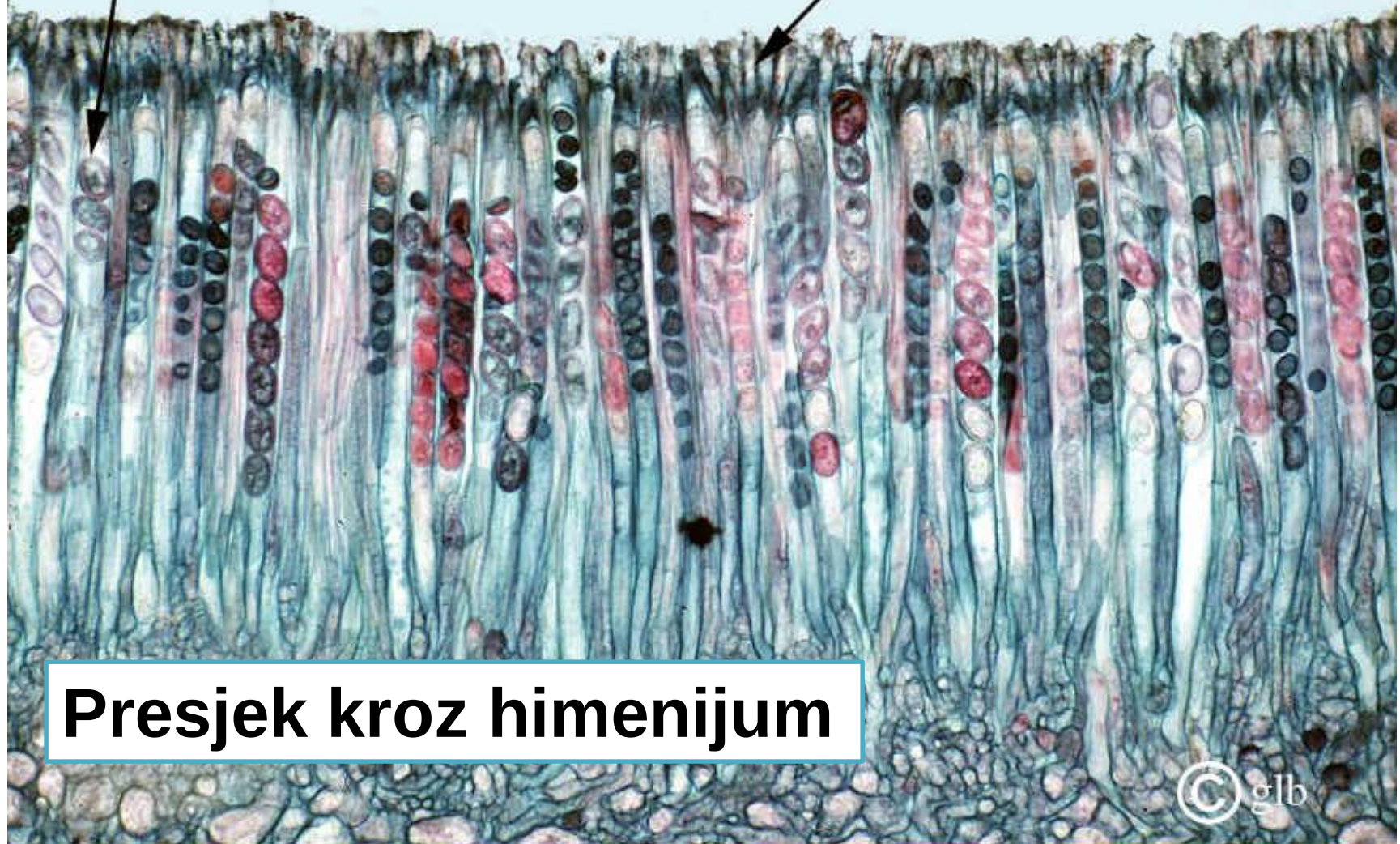
Ordo: **PLEOSPORALES**

Familia: **Venturiaceae**

Venturia inaequalis (čadava krastavost jabuke)

askus sa
askosporama

parafize



Presjek kroz himenijum



askus sa askosporama

parafize

askospora



Presjek kroz himenijum
Ascomycotina

apendiksi

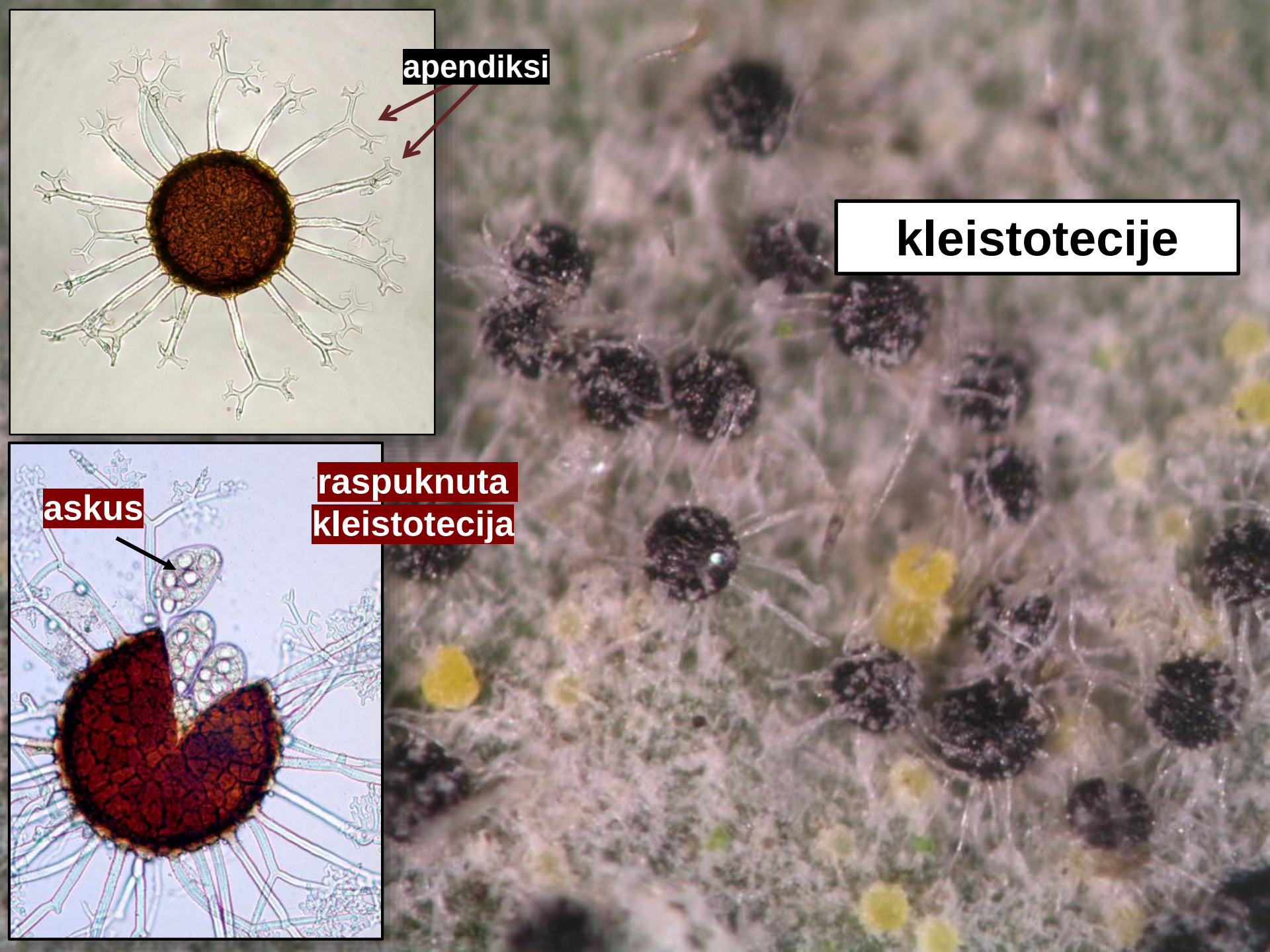


kleistotecije

askus



**raspuknuta
kleistotecija**

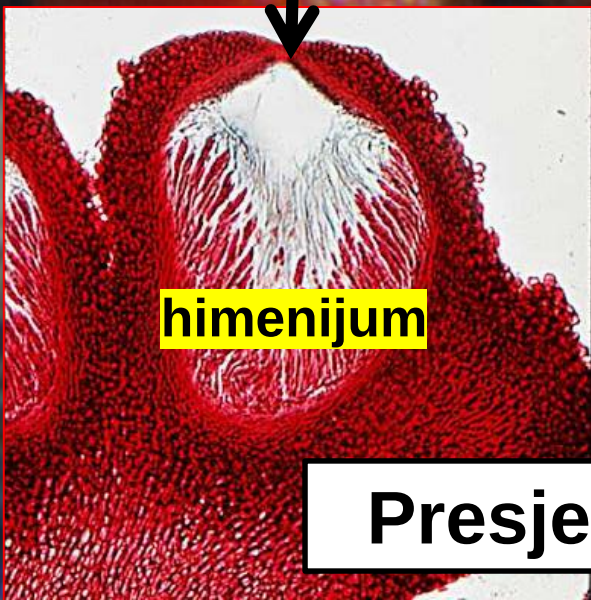


ostiolum

peritecije

himenijum

Presjek kroz periteciju



apotecija

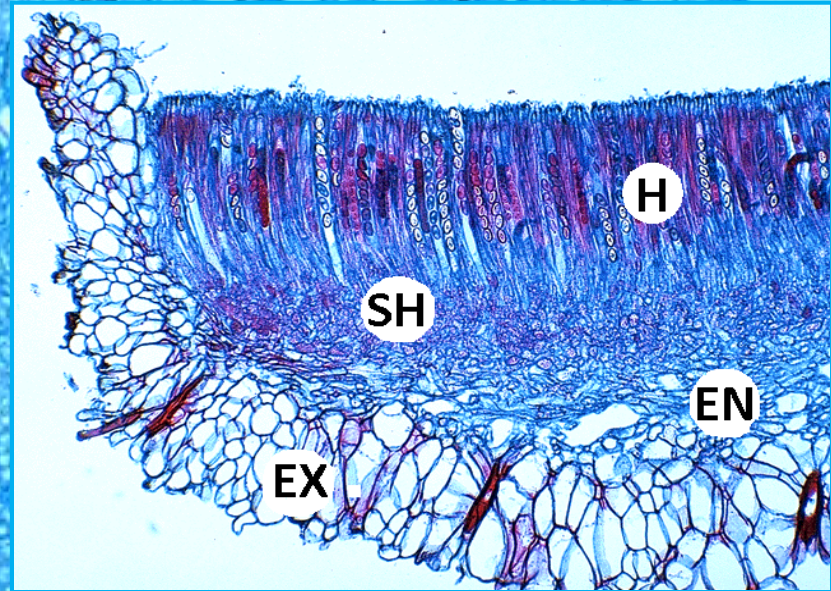
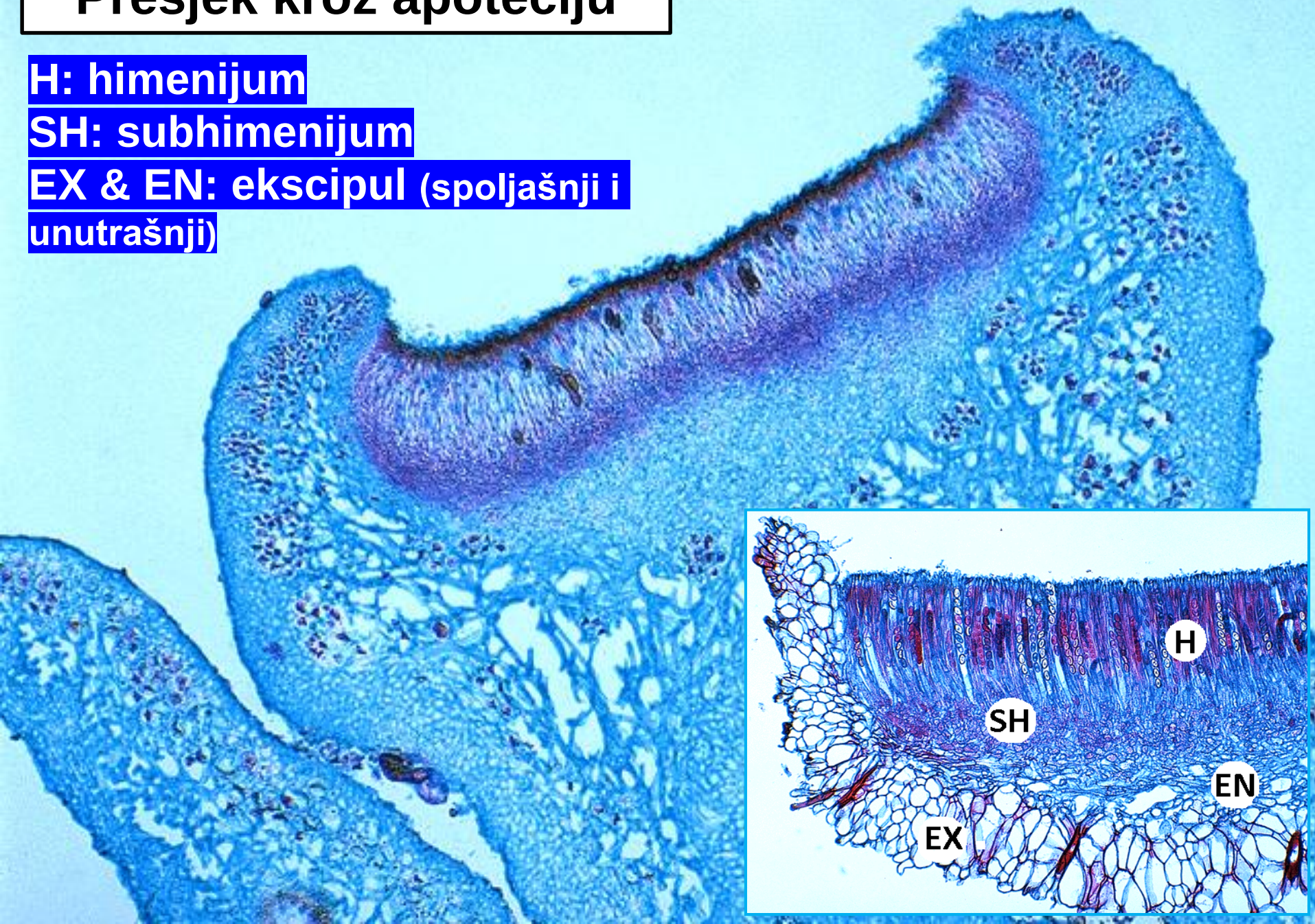


Presjek kroz apoteciju

H: himenijum

SH: subhimenijum

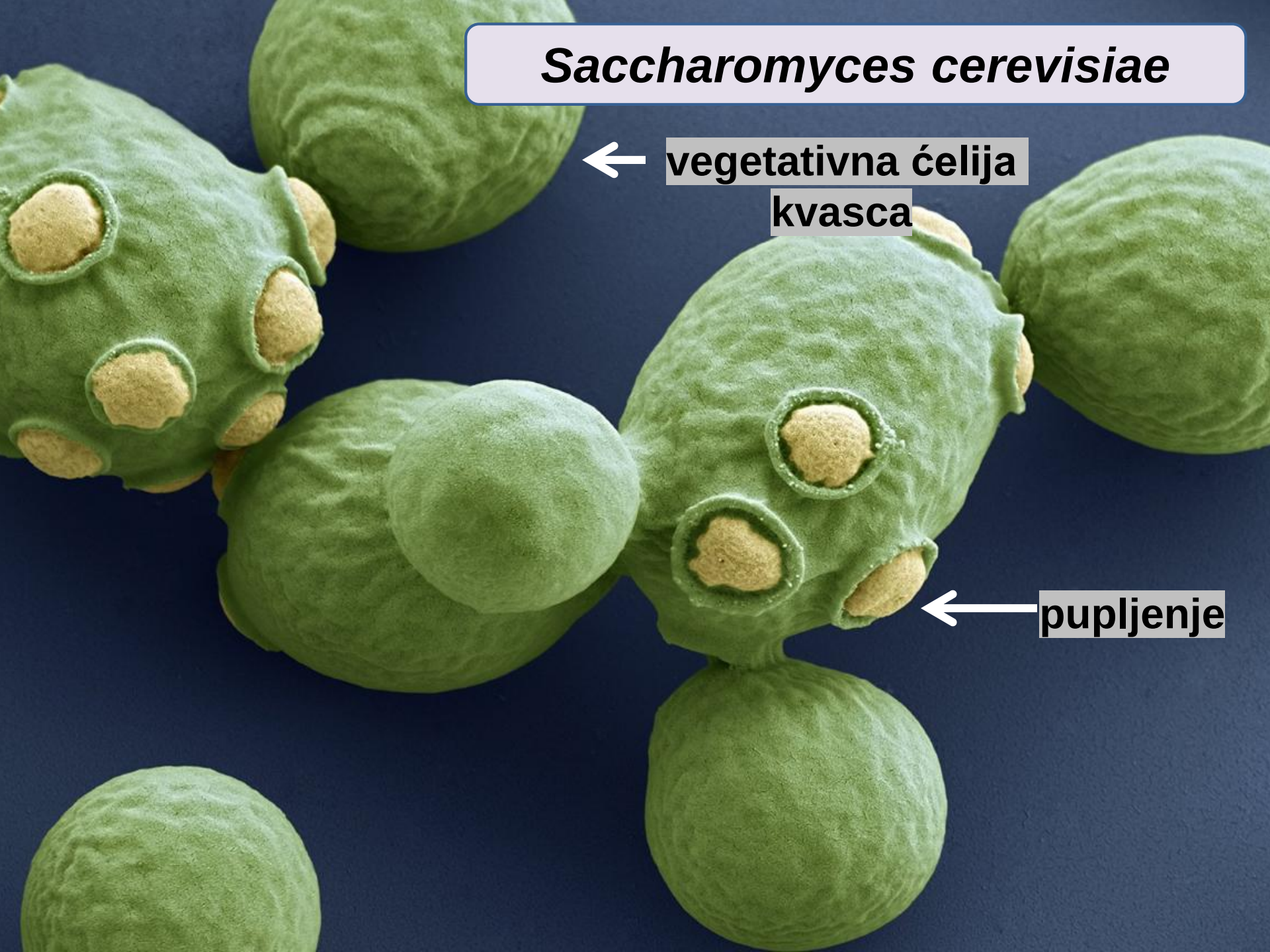
EX & EN: ekscipul (spoljašnji i unutrašnji)



Saccharomyces cerevisiae

← vegetativna ćelija
kvasca

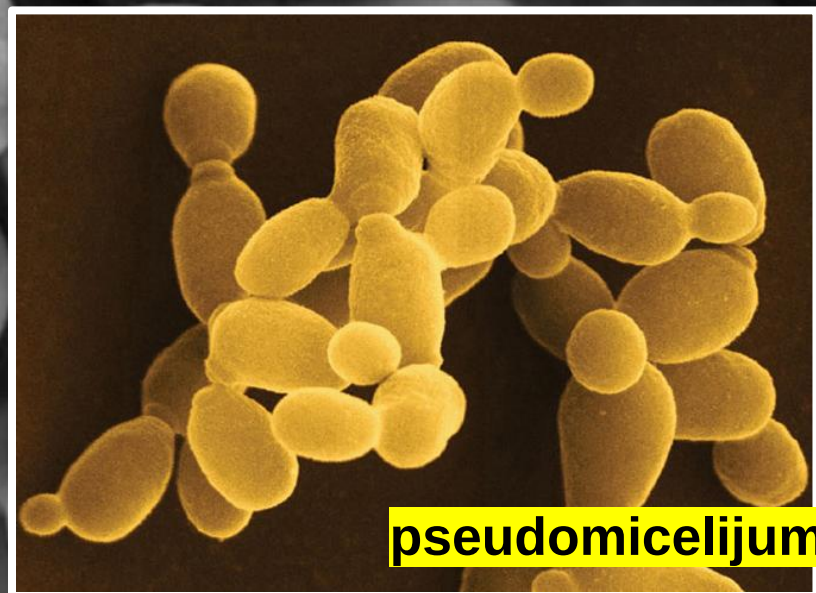
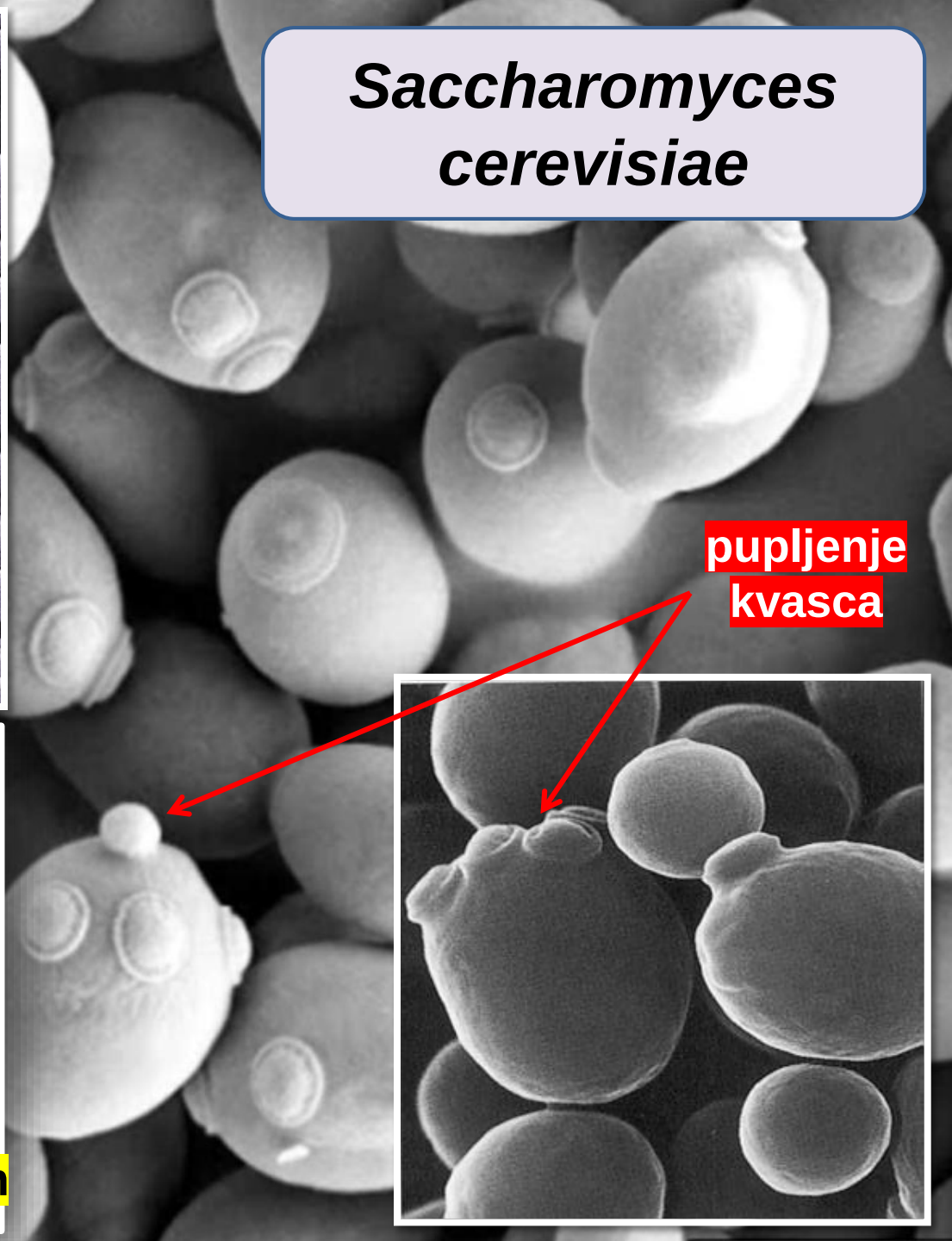
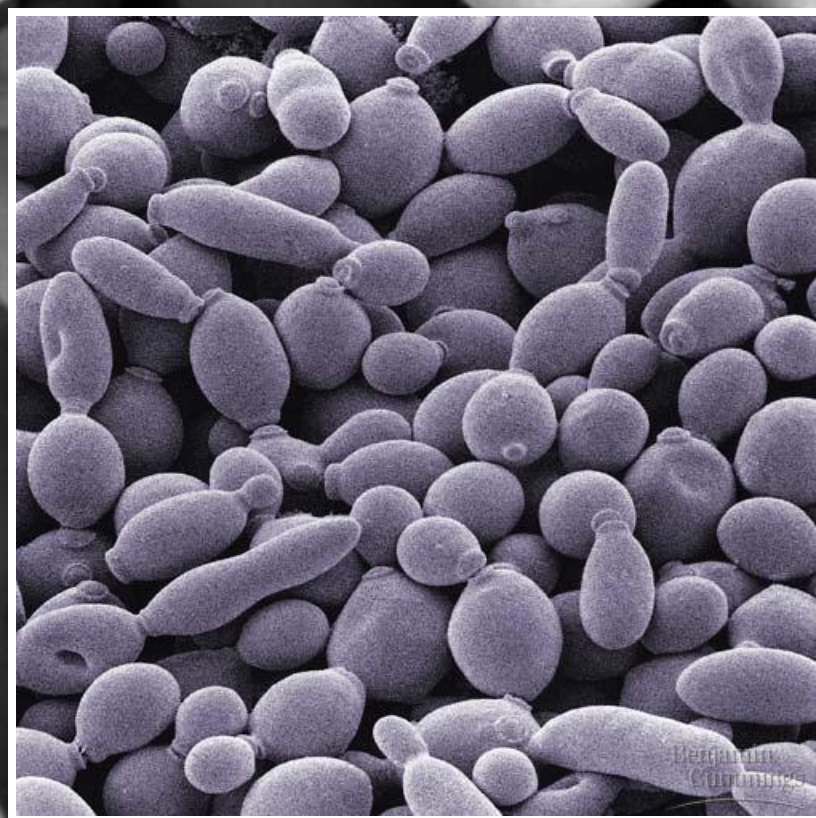
← pupljenje

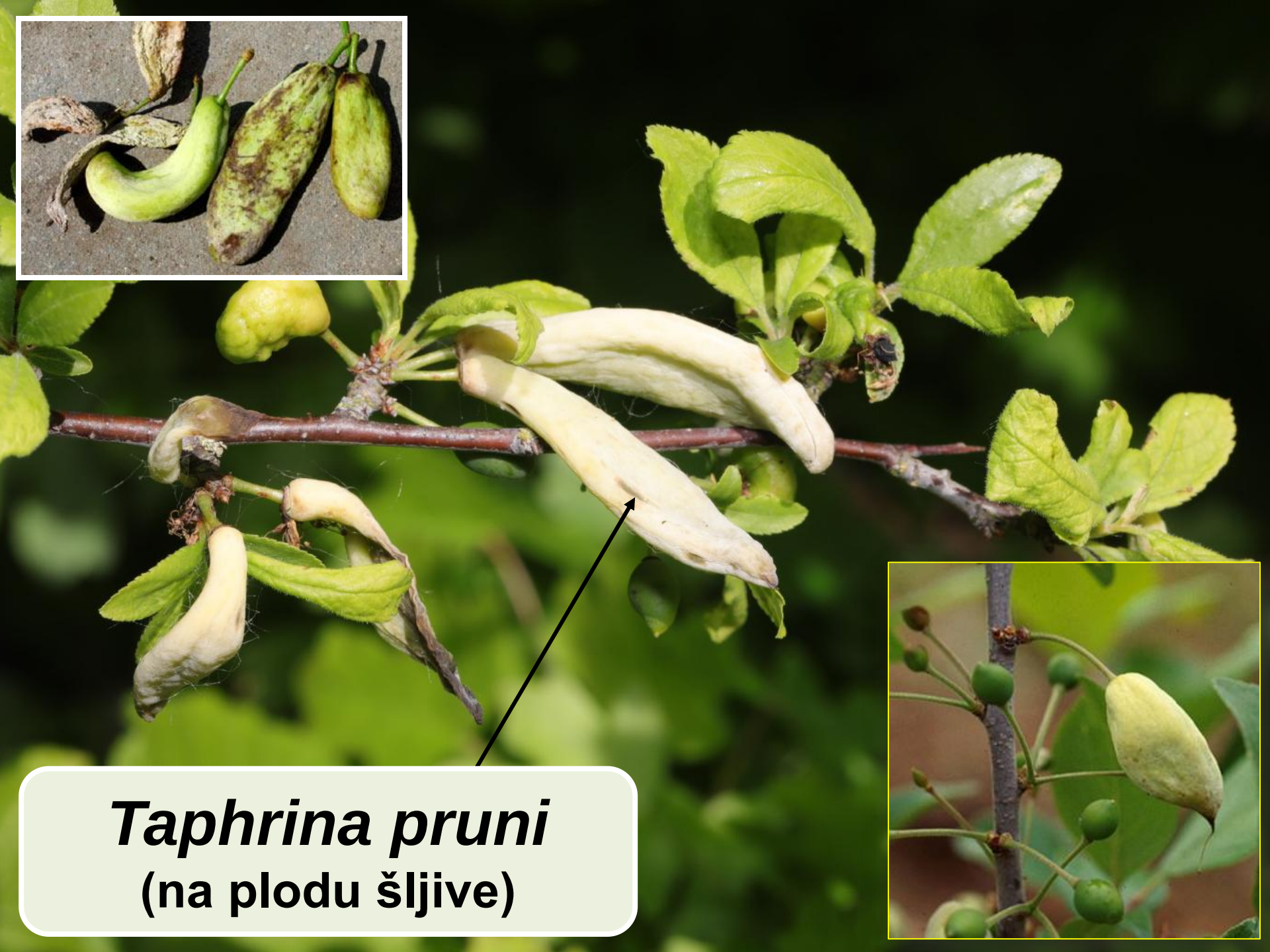


Saccharomyces cerevisiae

pupljenje
kvasca

pseudomicelijum





Taphrina pruni
(na plodu šljive)



***Taphrina*
*deformans***
(na listu breskve)



Podosphaera leucotricha

(na listu jabuke)

micelijum
gljive



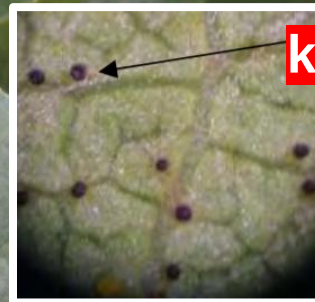
kleistotecije



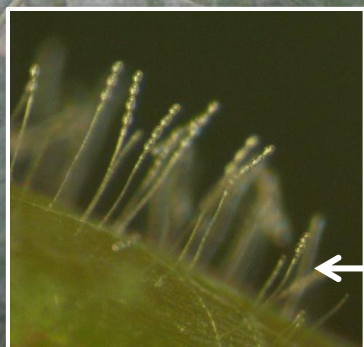
micelijum
gljive



Uncinula necator
(na listu vinove loze)



kleistotecija



konidije



Microsphaera alphitoides

(na listu hrasta)



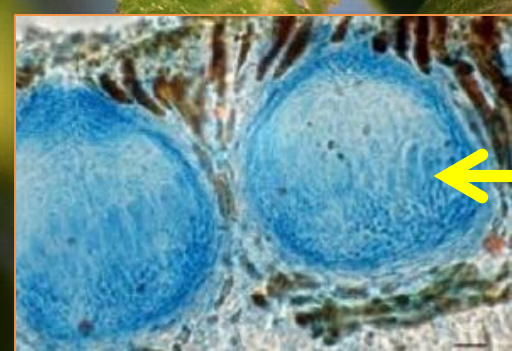
**micelijum gljive
sa kleistotecijama**

Erysiphe graminis

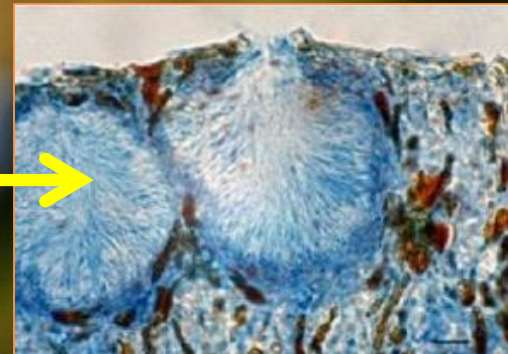


micelijum gljive
sa kleistotecijama





peritecije

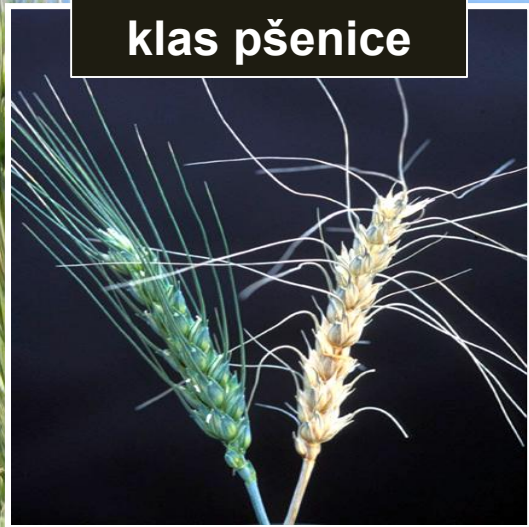


piknidiје

hlorotične
pjege

Polystigma rubrum
(na listu šljive)

**zdravi i zaraženi
klas pšenice**



Fusarium graminearum

Morchella esculenta
(smrčák)



apotecija



klobuk

držka

**komorice obrasle
himenijumom**

***Morchella esculenta*
(smrčak)**

Mycosphaerella fragariae
(na listu jagode)

**konidiofori sa
konidijama**



**konidiofori sa
konidijama**

Venturia inaequalis
(na listu jabuke)

