



Plantkunde
Practicum 1^{ste} Ba BIR
Inleiding tot de systematiek

Universiteit Antwerpen

Wieren

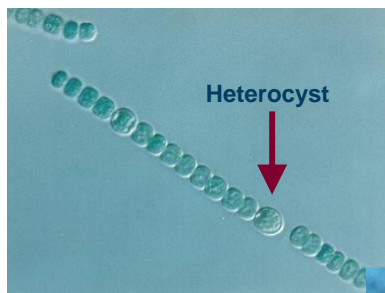
Schimmels

Mossen

Varens

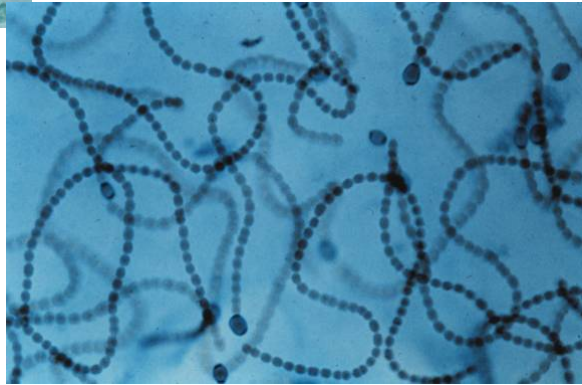
Gymnospermen

Cyanobacteria



Anabaena

Nostoc

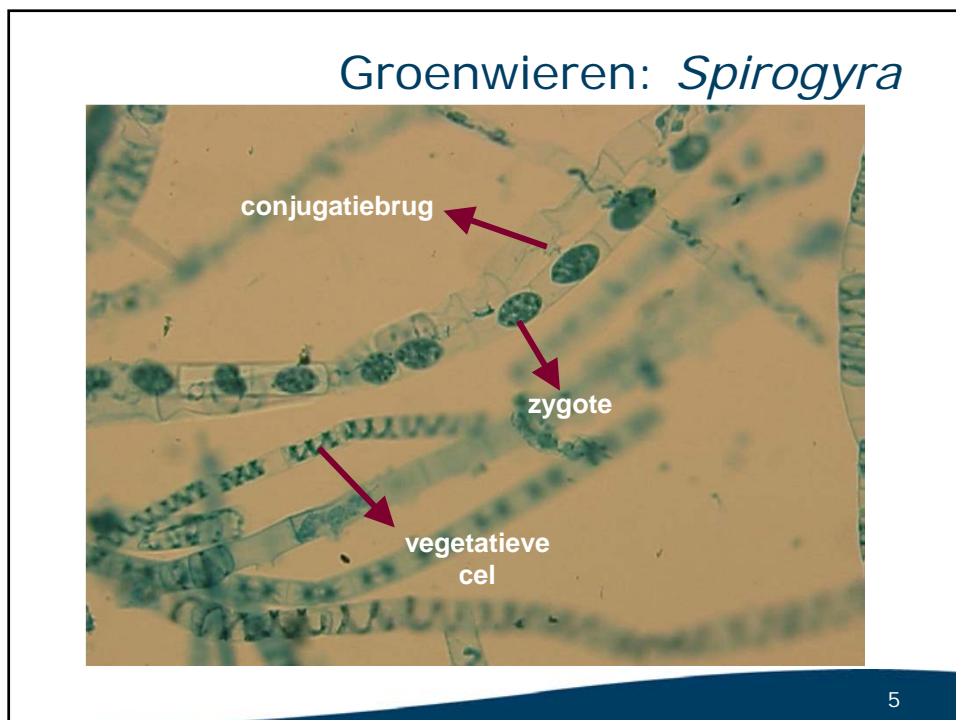
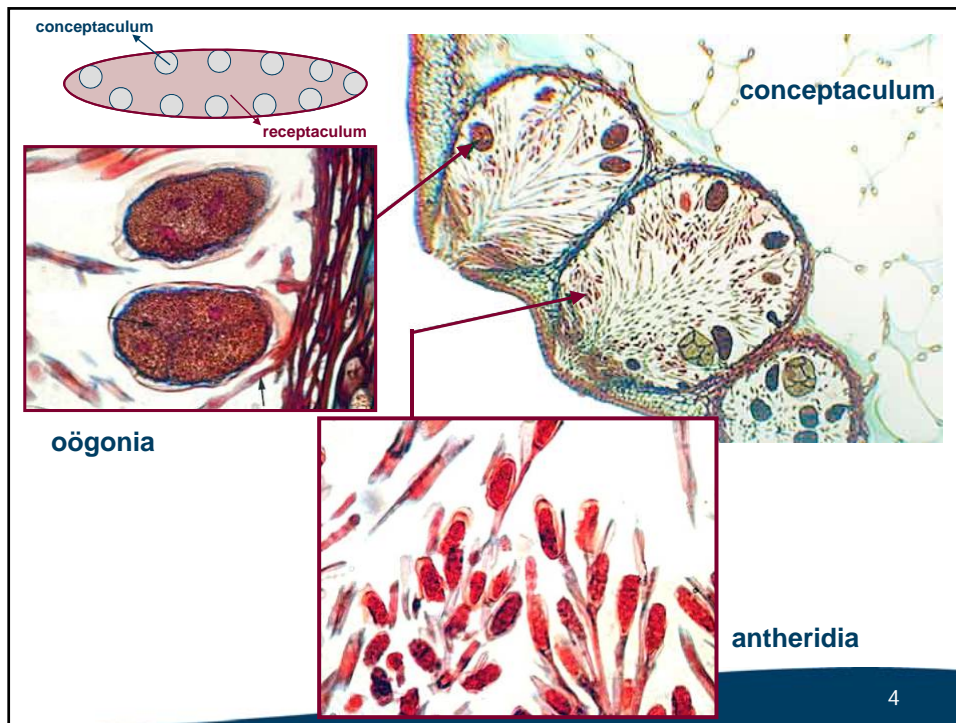


2

Bruinwieren: *Fucus*



3



Wieren

Schimmels

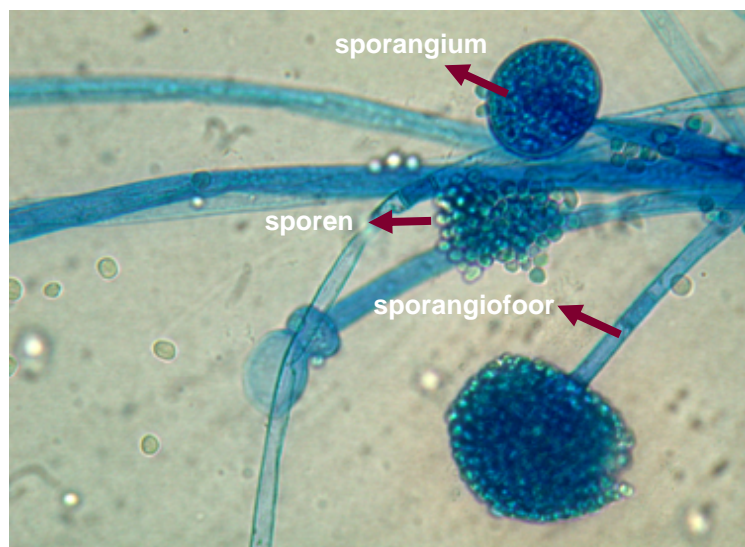
Mossen

Varens

Gymnospermen

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Zygomyceten: *Mucor*

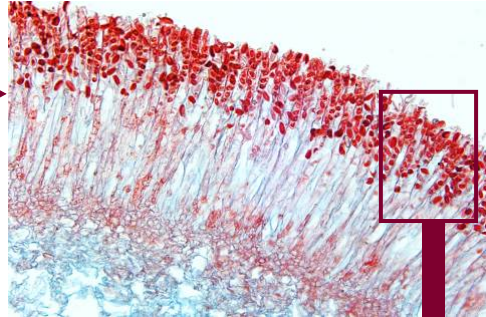


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Ascomyceten: *Pezziza aurantia*



apothecium



asci met 8
ascosporen



8

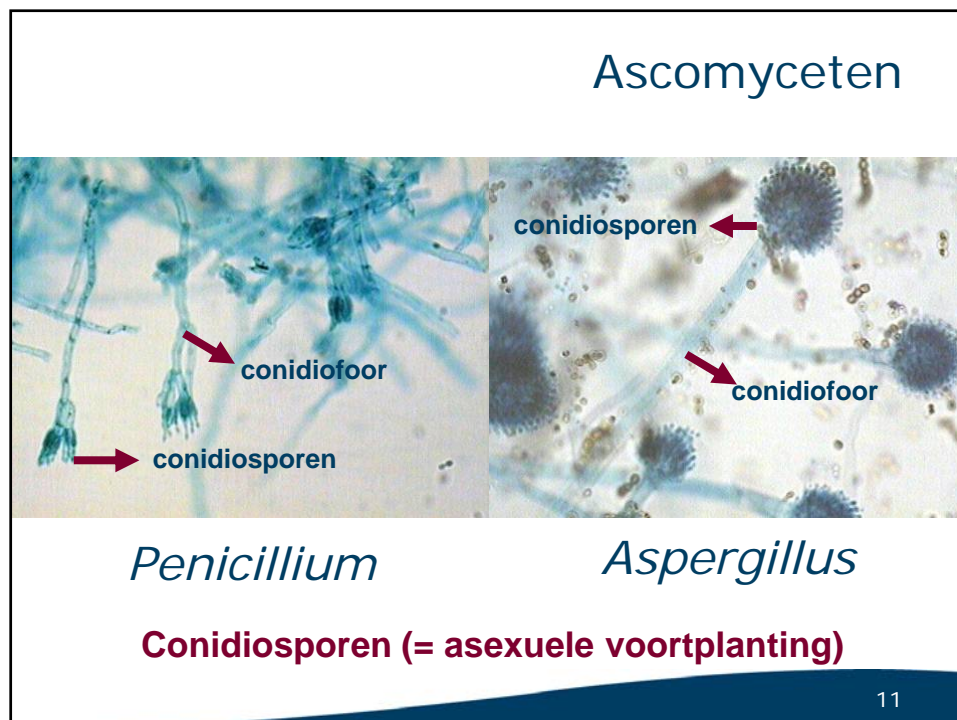
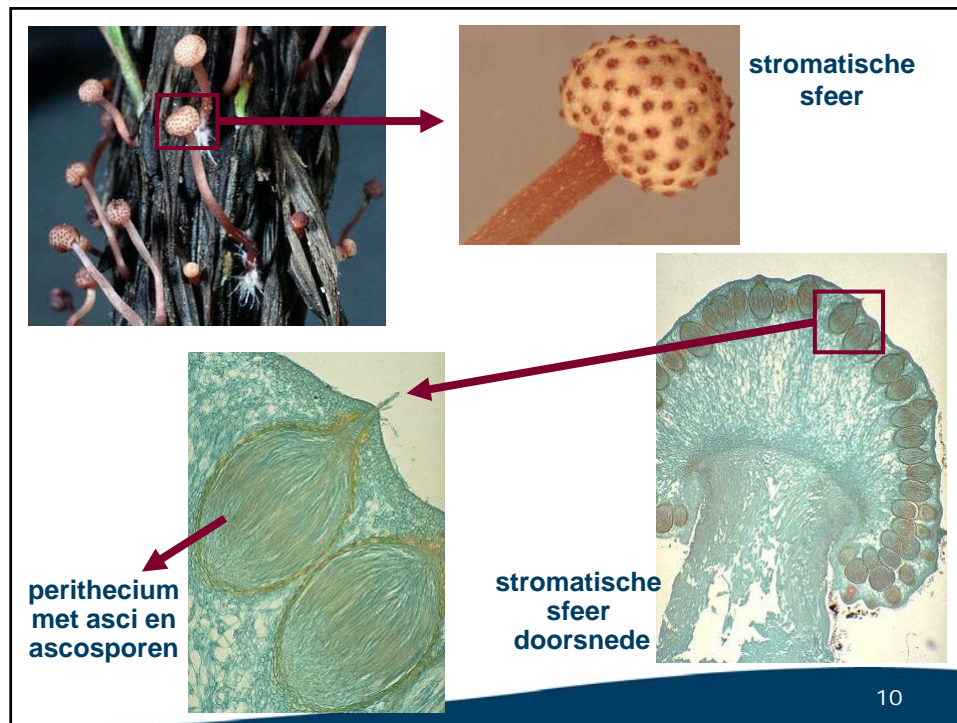
Ascomyceten: *Claviceps purpurea*



besmette graankorrel



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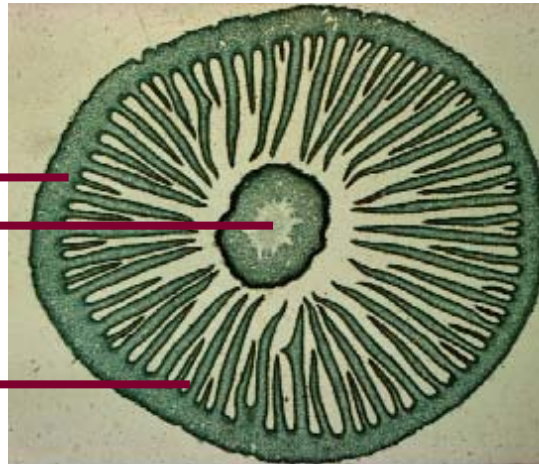
Basidiomyceten: *Coprinus*



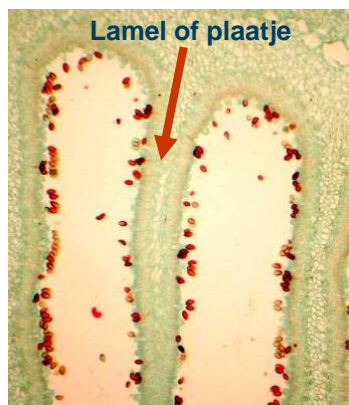
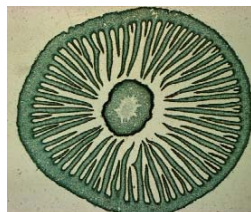
hoed

steel

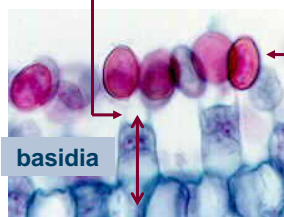
lamellen



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sterigmata



sporen



Basidiomyceten: *Puccinia graminis*

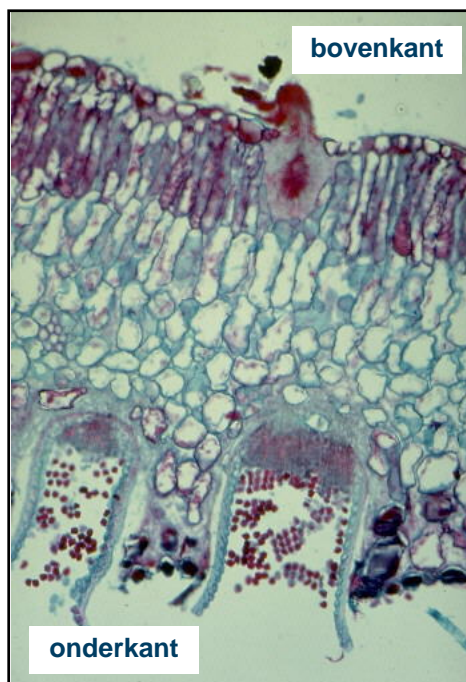
2 gastheren :

- Zuurbes
- Graanblad

Verschillende stadia :

- | | |
|-------------------------------------|---------------|
| - Aecidia (♀) en spermatogoniën (♂) | op de zuurbes |
| - Uredosporen (voorjaarssporen) | op het graan |
| - Teliosporen (najaarssporen) | op het graan |
| (= overwinteringssporen) | |

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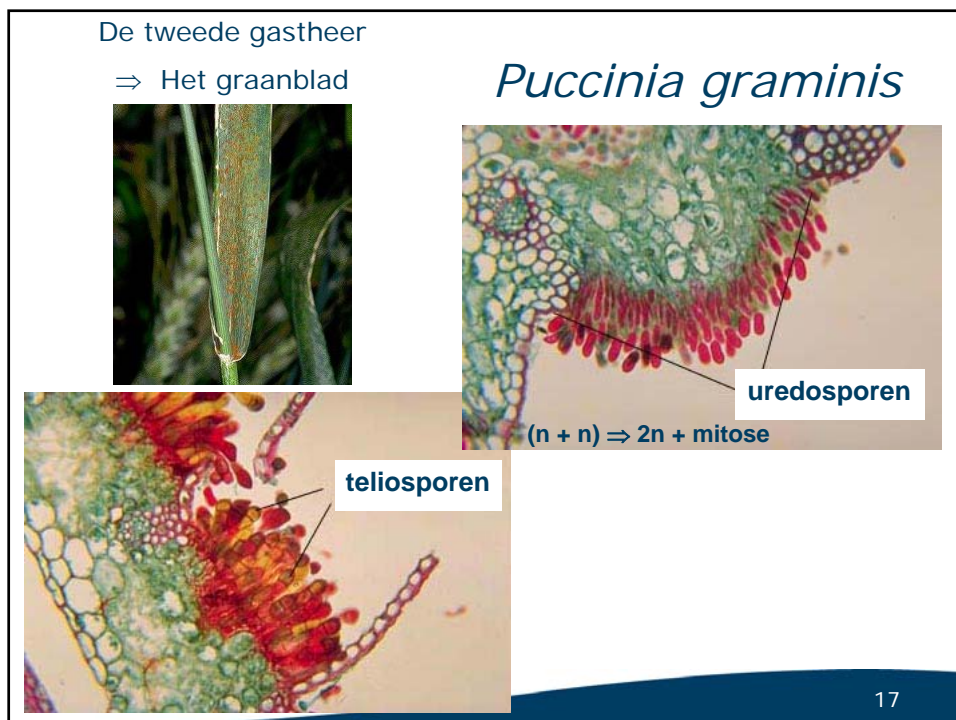
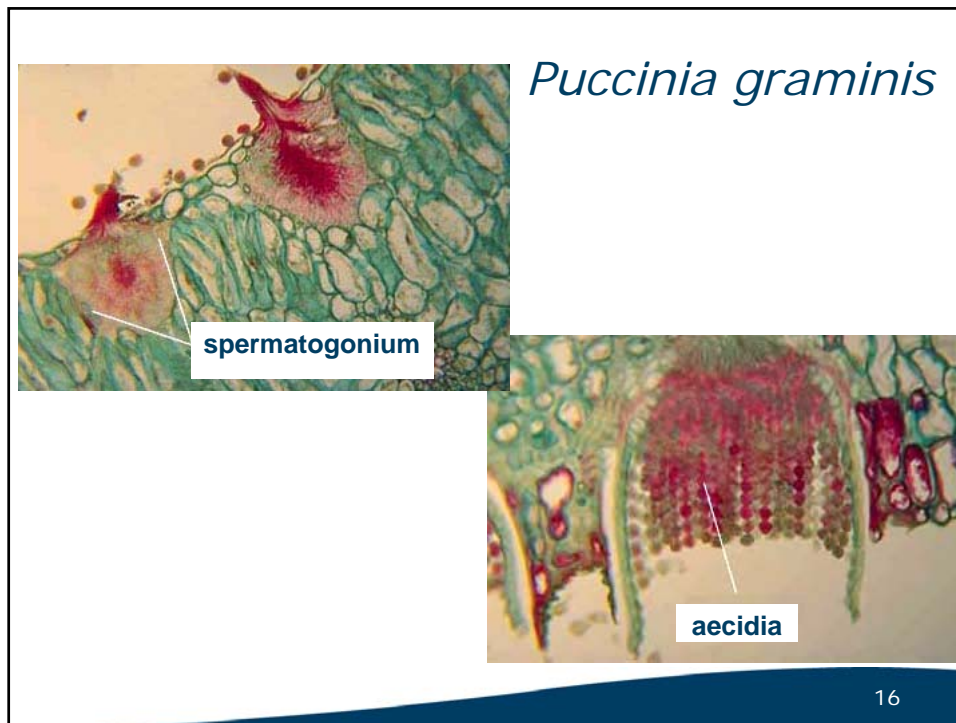
Puccinia graminis

De eerste gastheer

⇒ De zuurbes



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Wieren

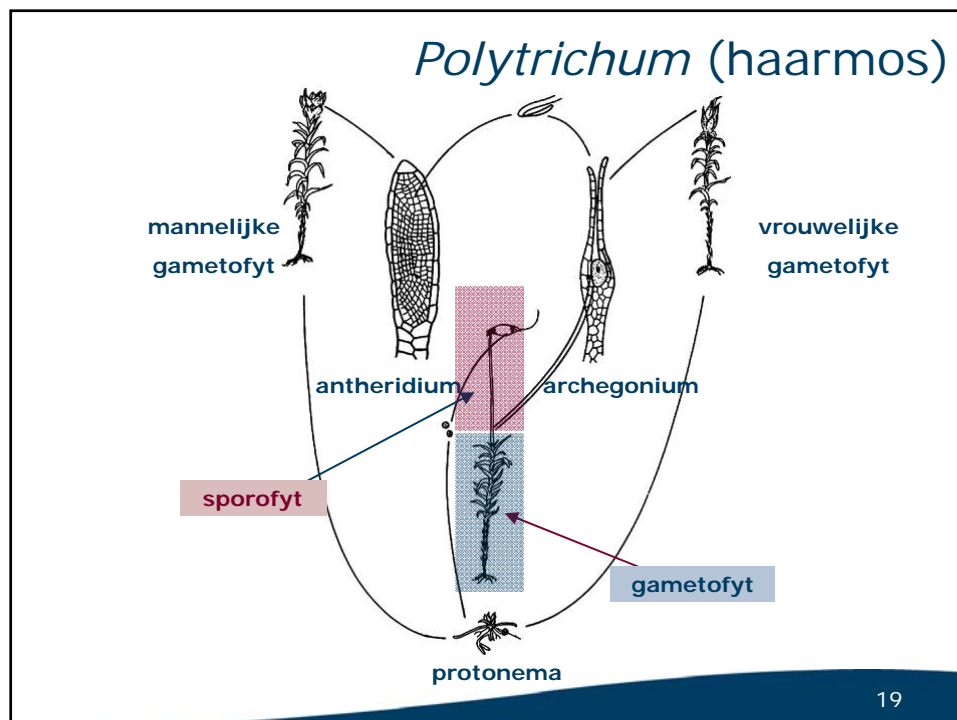
Schimmels

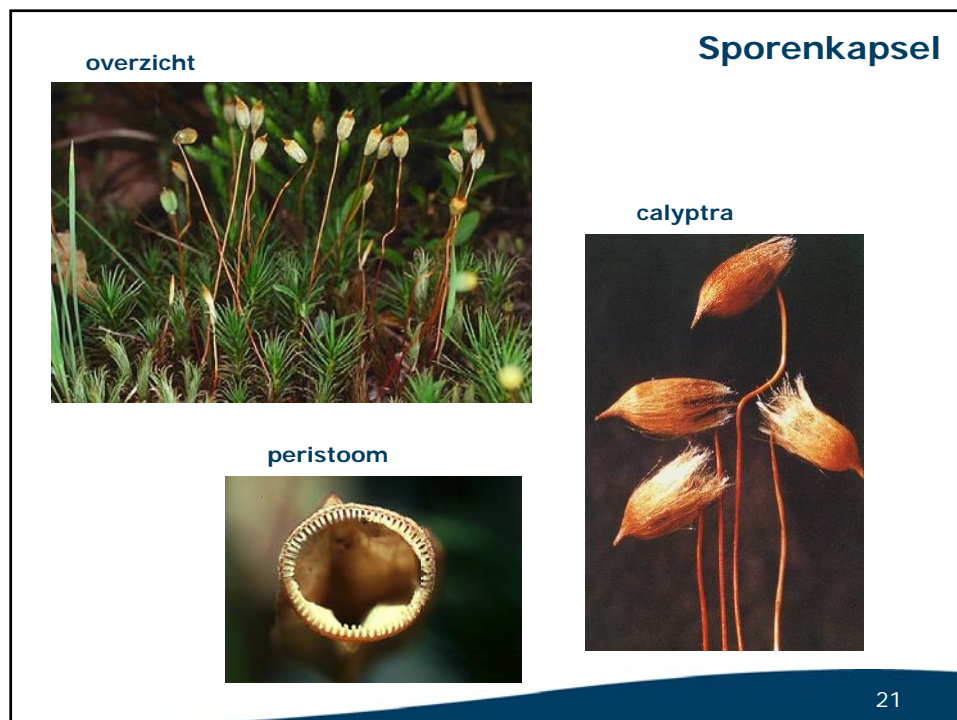
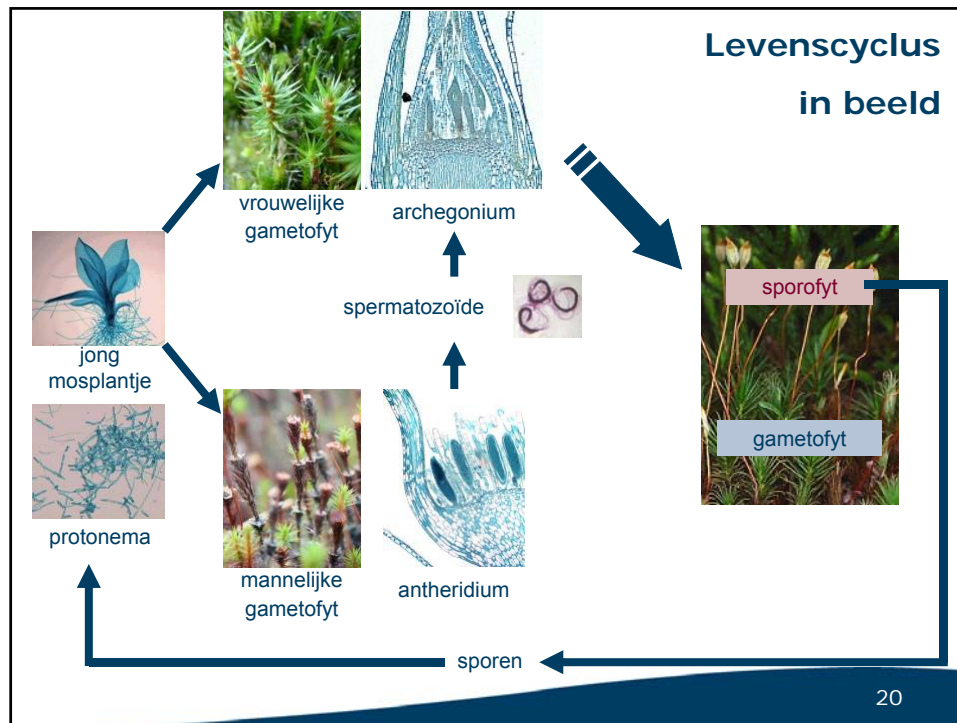
Mossen

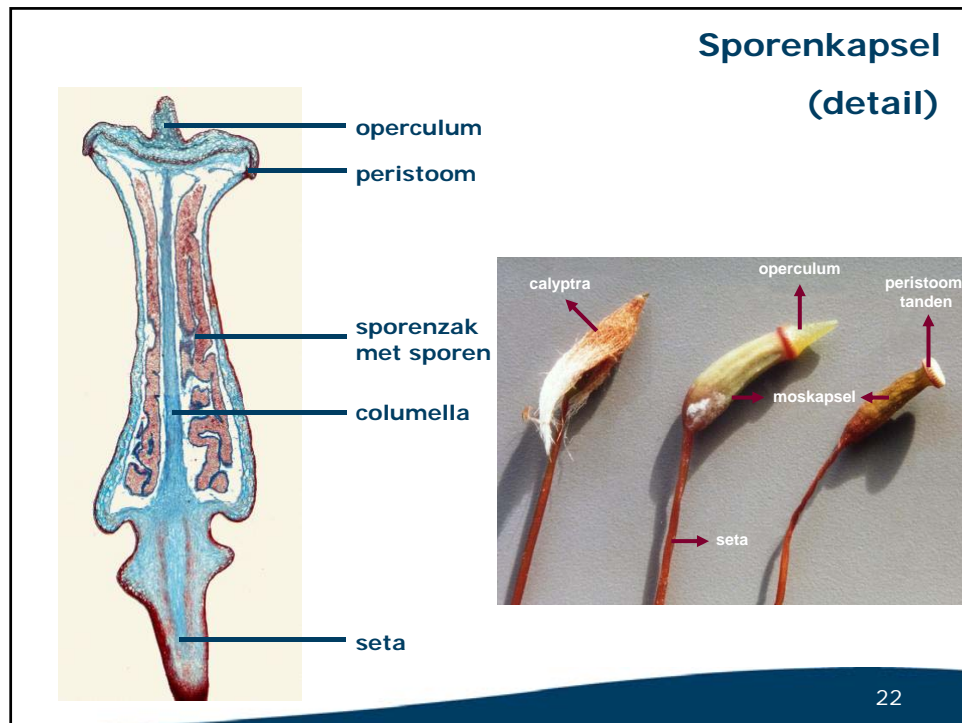
Varens

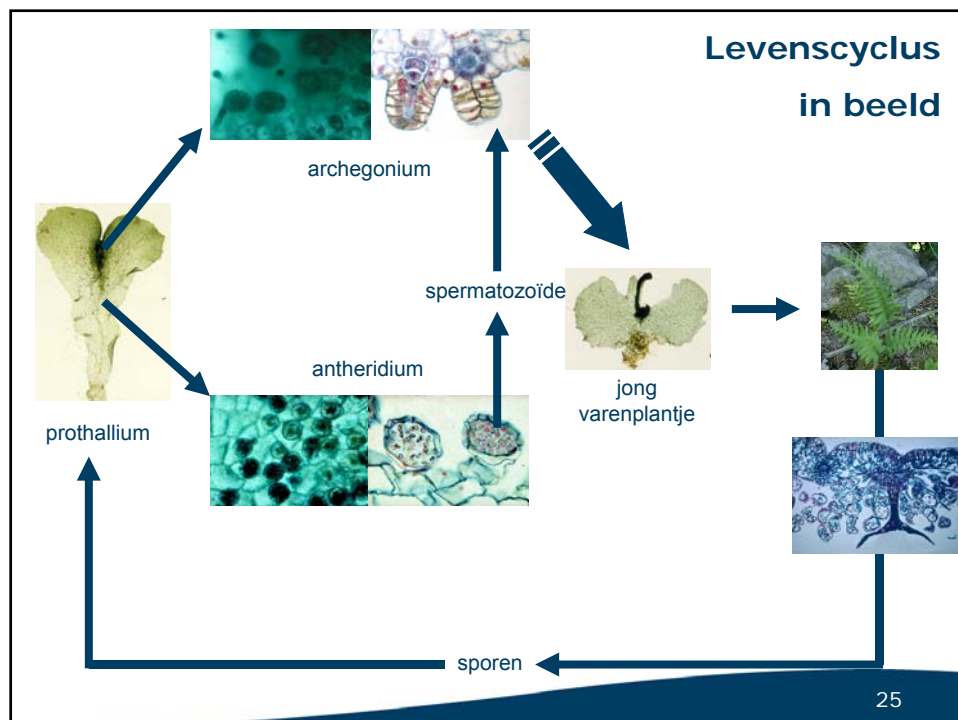
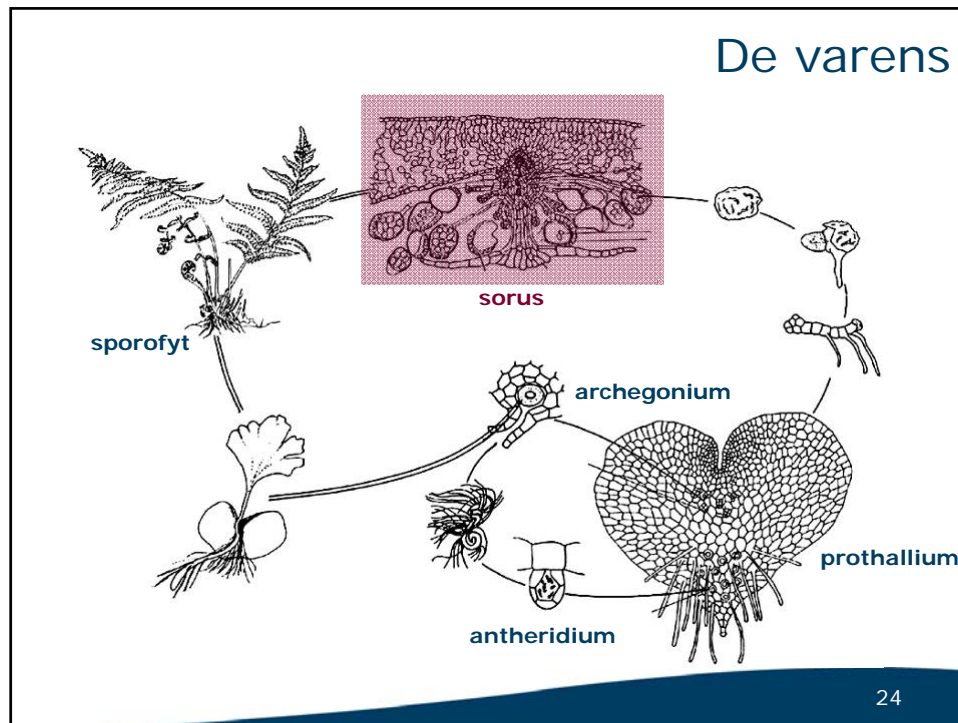
Gymnospermen

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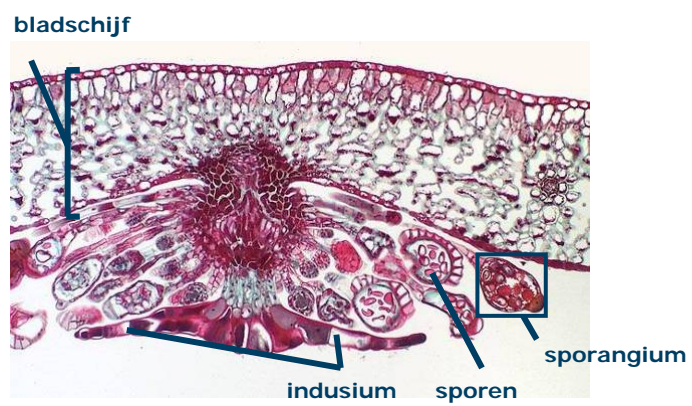


Sorus



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Sorus (detail)



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Wieren

Schimmels

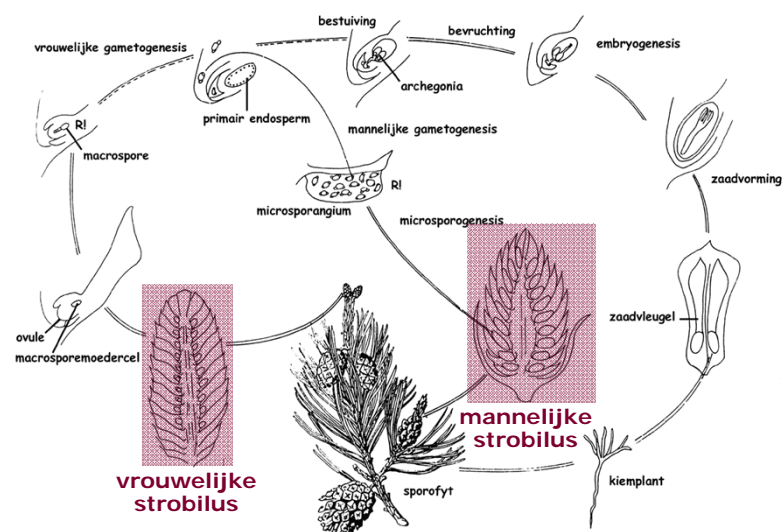
Mossen

Varens

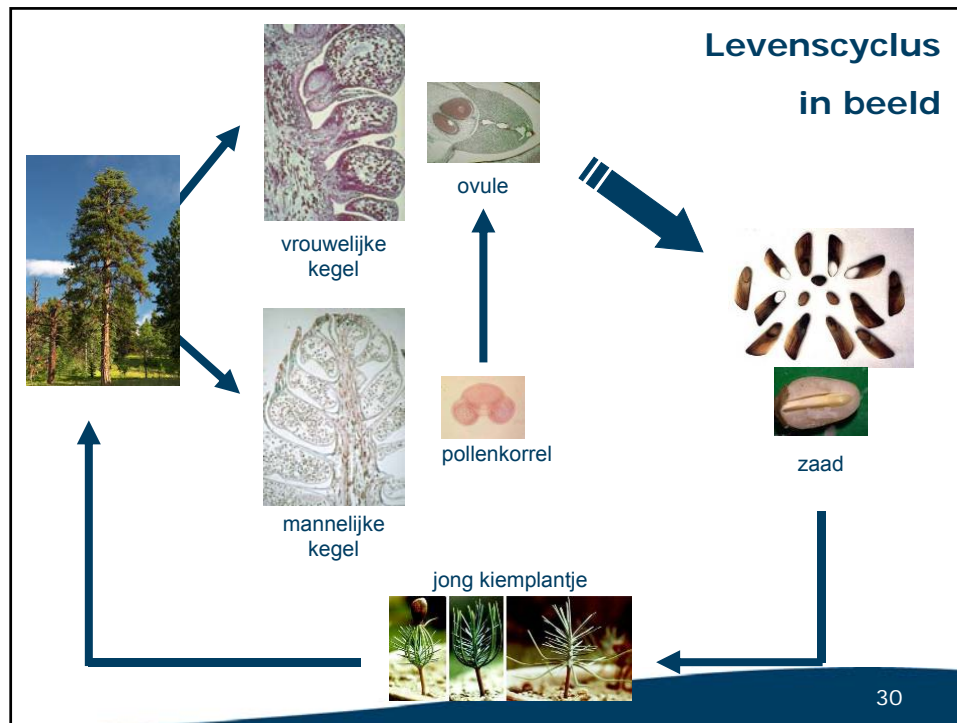
Gymnospermen

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Gymnospermen (naaktzadigen)

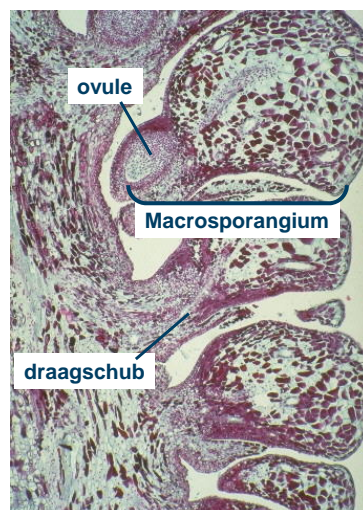


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Gymnospermen (naaktzadigen)

Vrouwelijke kegel



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Opdracht (deel I):

- Teken en benoem volgende preparaten:
 - *Fucus*: receptaculum met antheridia en oögonia
 - Receptaculum, oögonia, antheridia, parafysen
 - *Spirogyra*
 - Vegetatieve cel, conjugatiebrug, zygote
 - *Mucor*: sporangiofoor
 - Sporangium met sporen, sporangiofoor
 - *Penicillium of Aspergillus* : conidiofoor
 - Conidiofoor, conidiosporen
 - *Pezizia*: asci met ascosporen
 - Hymenium, ascus, ascosporen
 - *Coprinus*: lamel met sporen
 - Lamel, basidium, hymenium, basidiosporen

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Opdracht (deel II):

- Teken en benoem volgende preparaten:
 - *Polytrichum*: moskapsel
 - operculum, peristoom, sporenzak met sporen, columella, seta
 - *Polypodium*: sorus
 - bladschijf, indusium, sporangium met sporen
 - *Pinus*: mannelijke en vrouwelijke kegel
 - draagschub, dekschub, microspoangium, ovule