

Fyrstu skrefin út í skóg.....

Lífveran tré



Hvanneyri 12. apríl 2017

Arnín Óladóttir

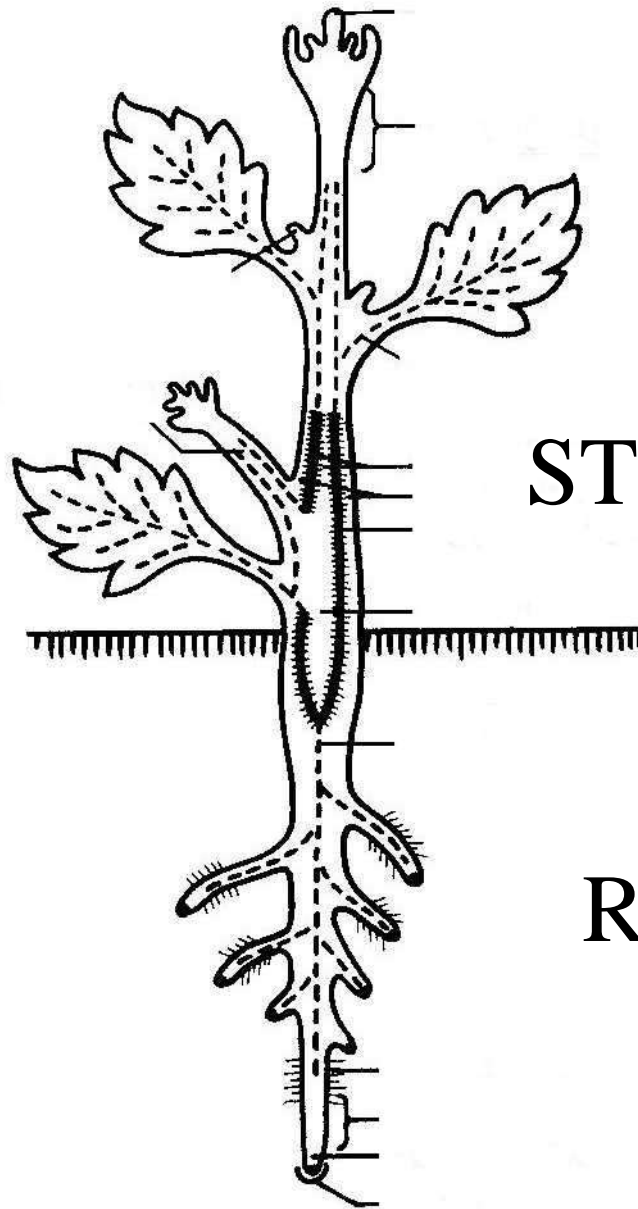


TRJÁGRÓÐUR – UMHVERFI -TEGUNDIR





LAUF

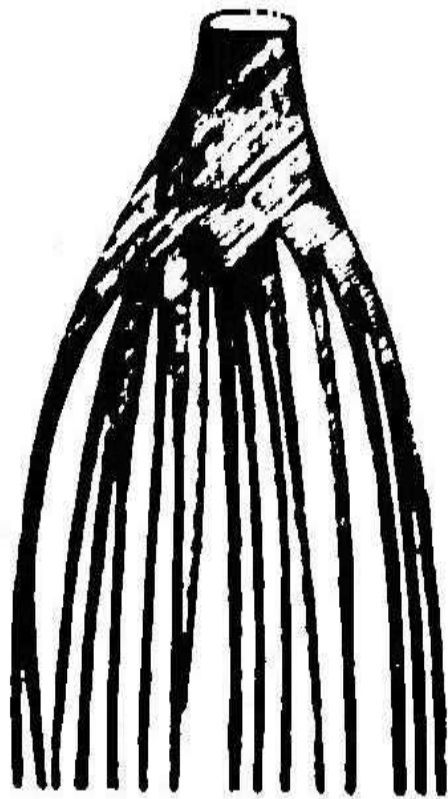


(BLÓM)

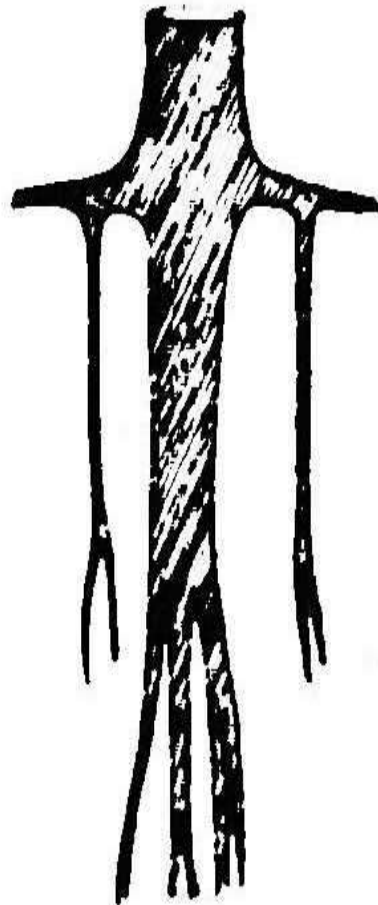
STÖNGULL

RÓT

TREFJARÓT



STÓLPARÓT

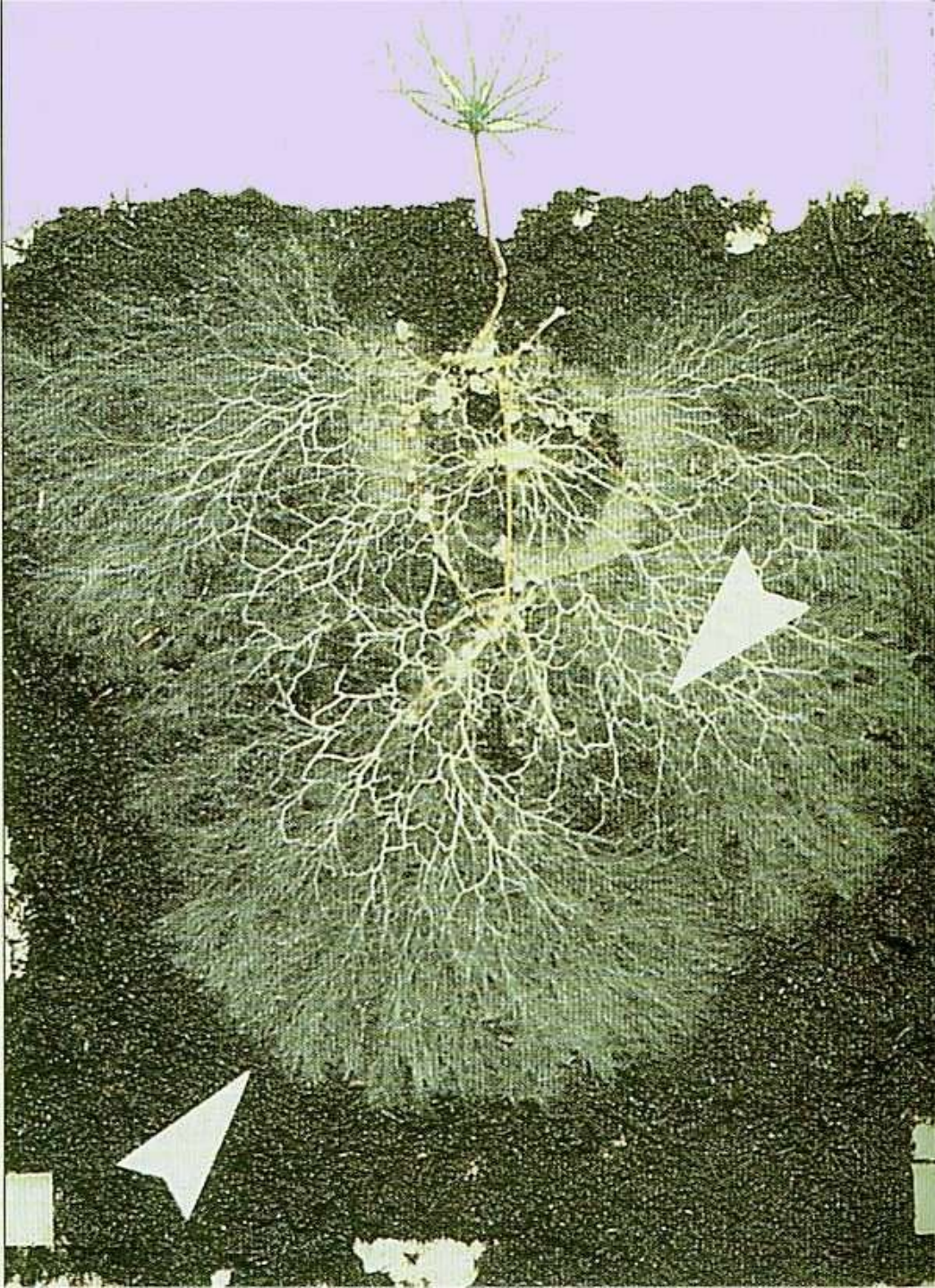


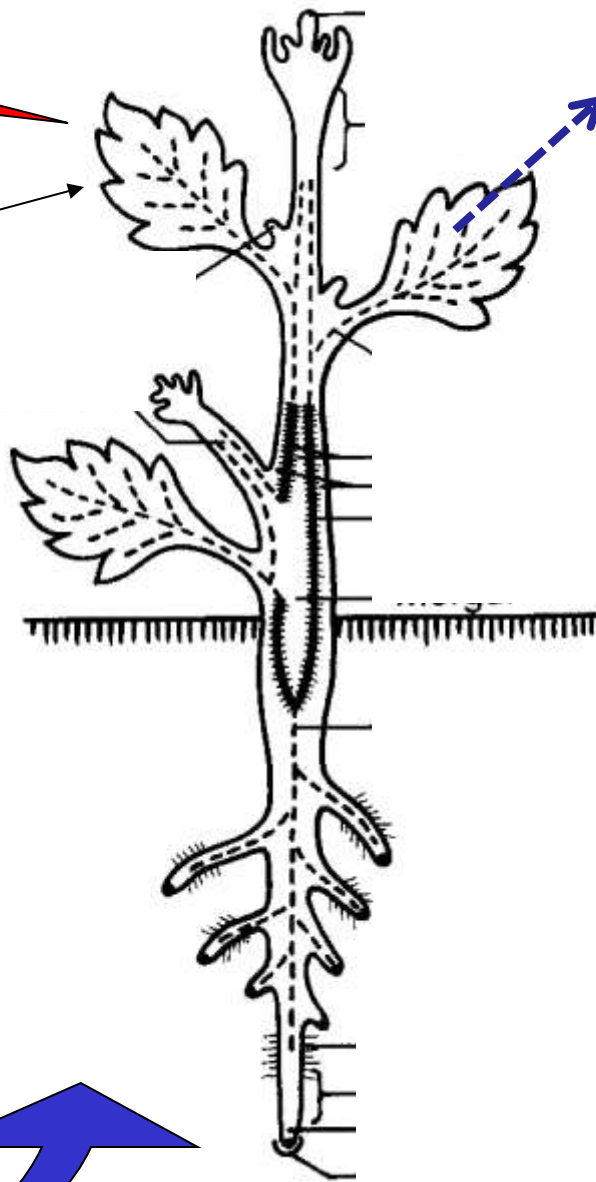
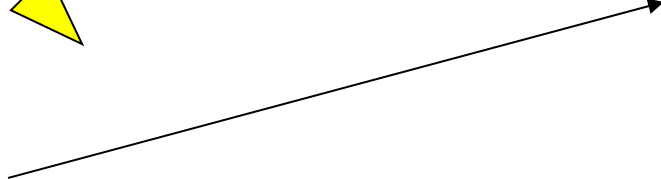
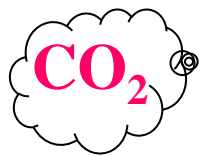
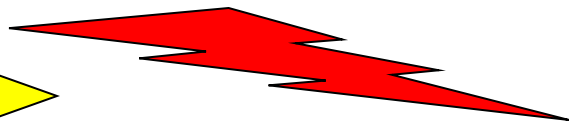
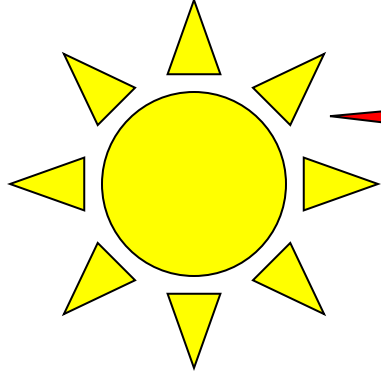
FLATRÓT



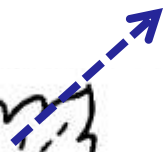


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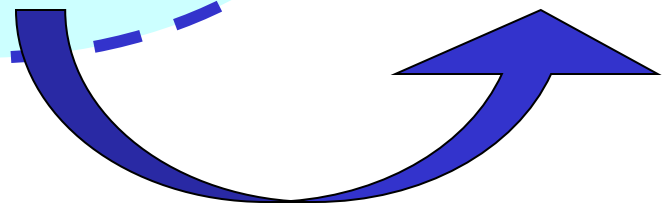
vatnsgufa



VATN

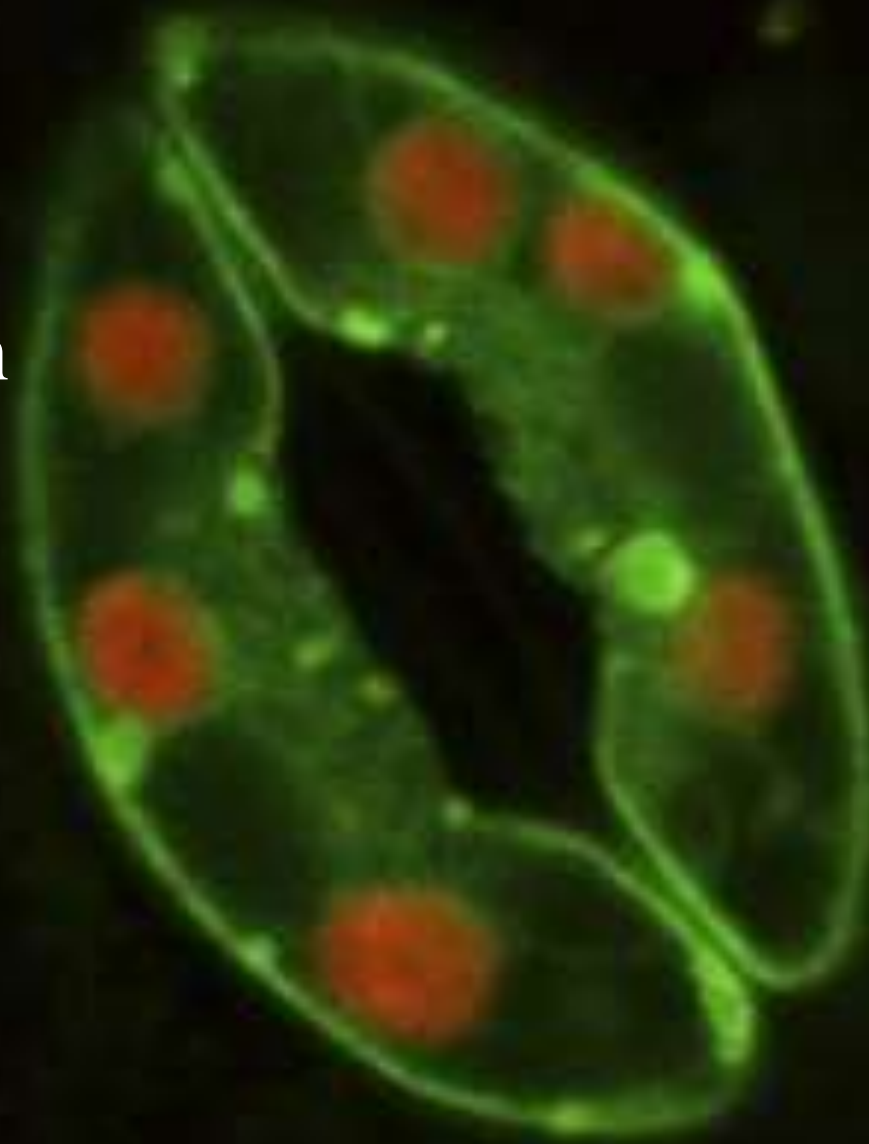
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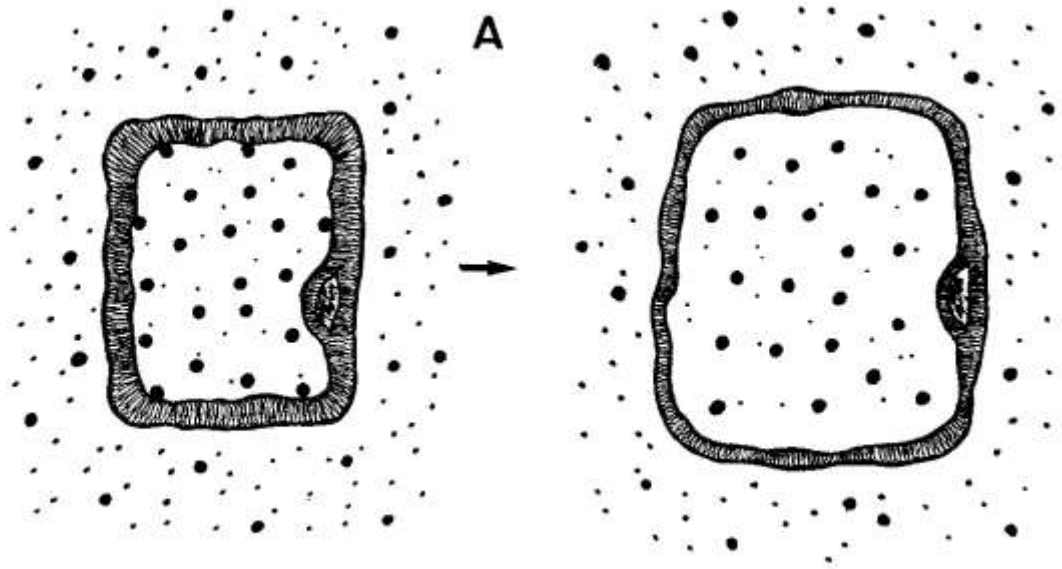
Uppleyst næringarefni



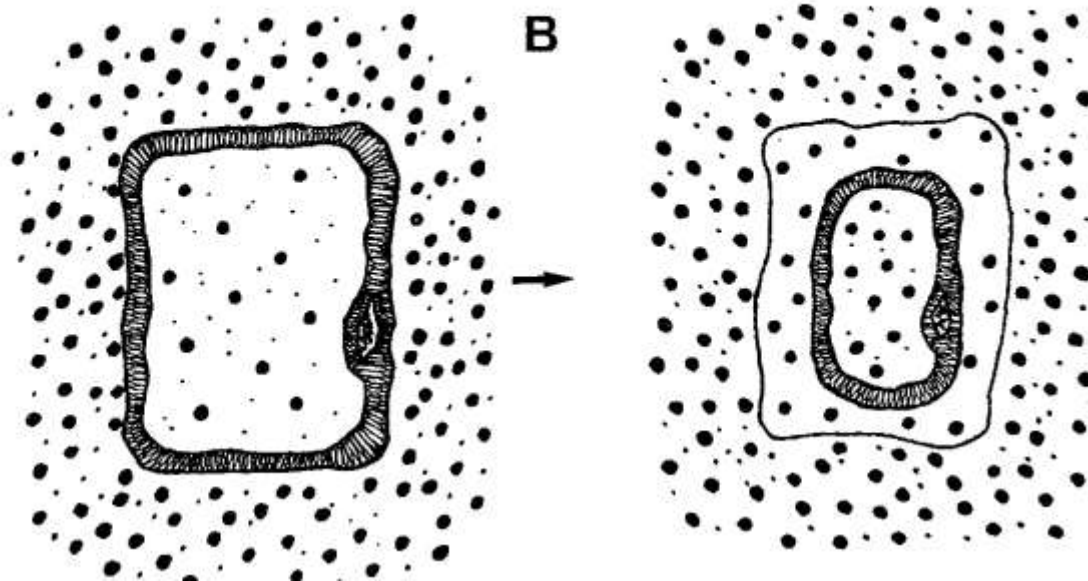
Stomata

Grænuhorn

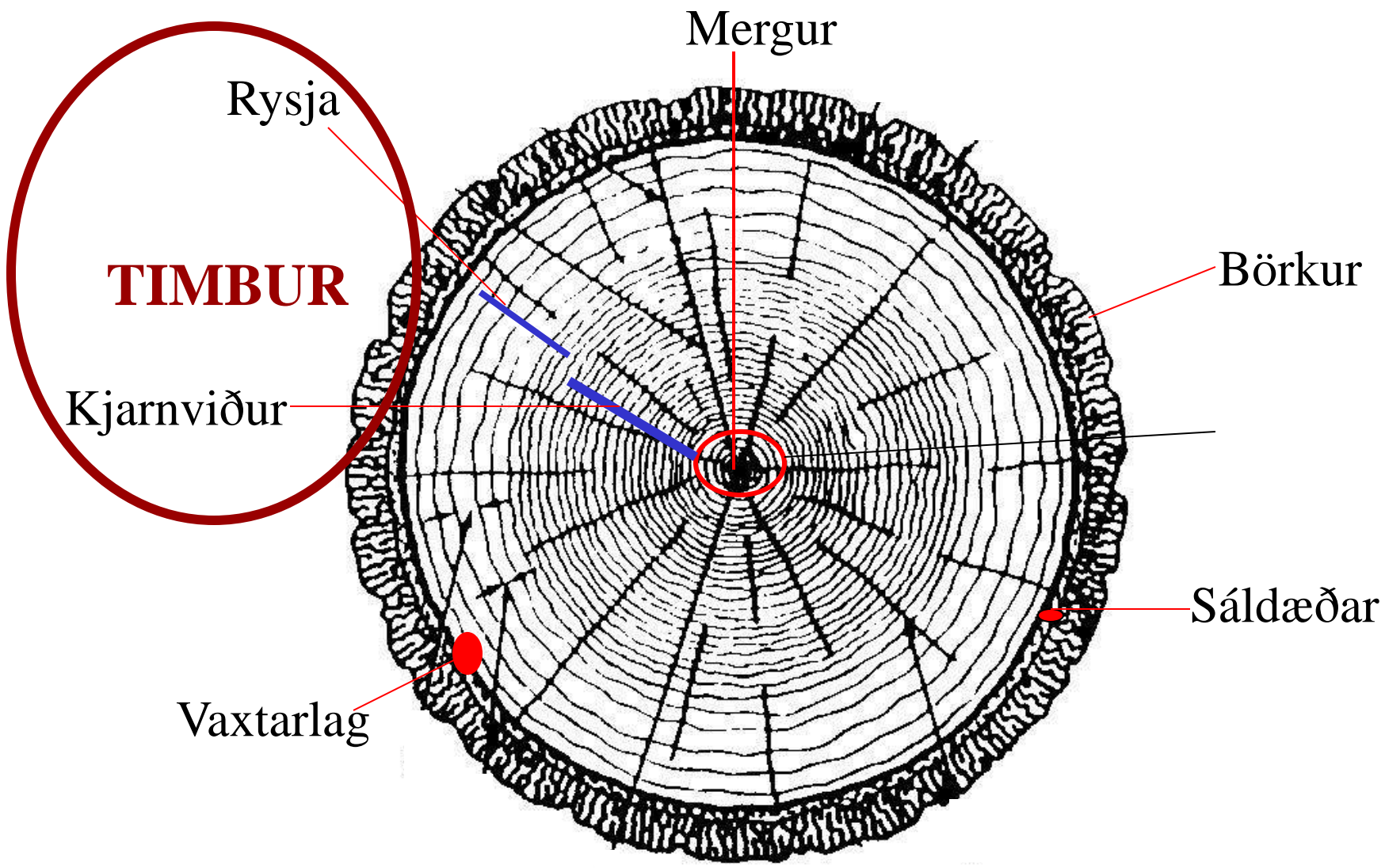




Sterkari lausn inni
í frumunni →
vatn streymir inn í
frumuna þar til
jafnvægi er náð.



Sterkari lausn fyrir
utan frumuna →
vatn streymir út í
umhverfið þar til
jafnvægi er náð
(áburðareitrun)



Mergur

Rysja

TIMBUR

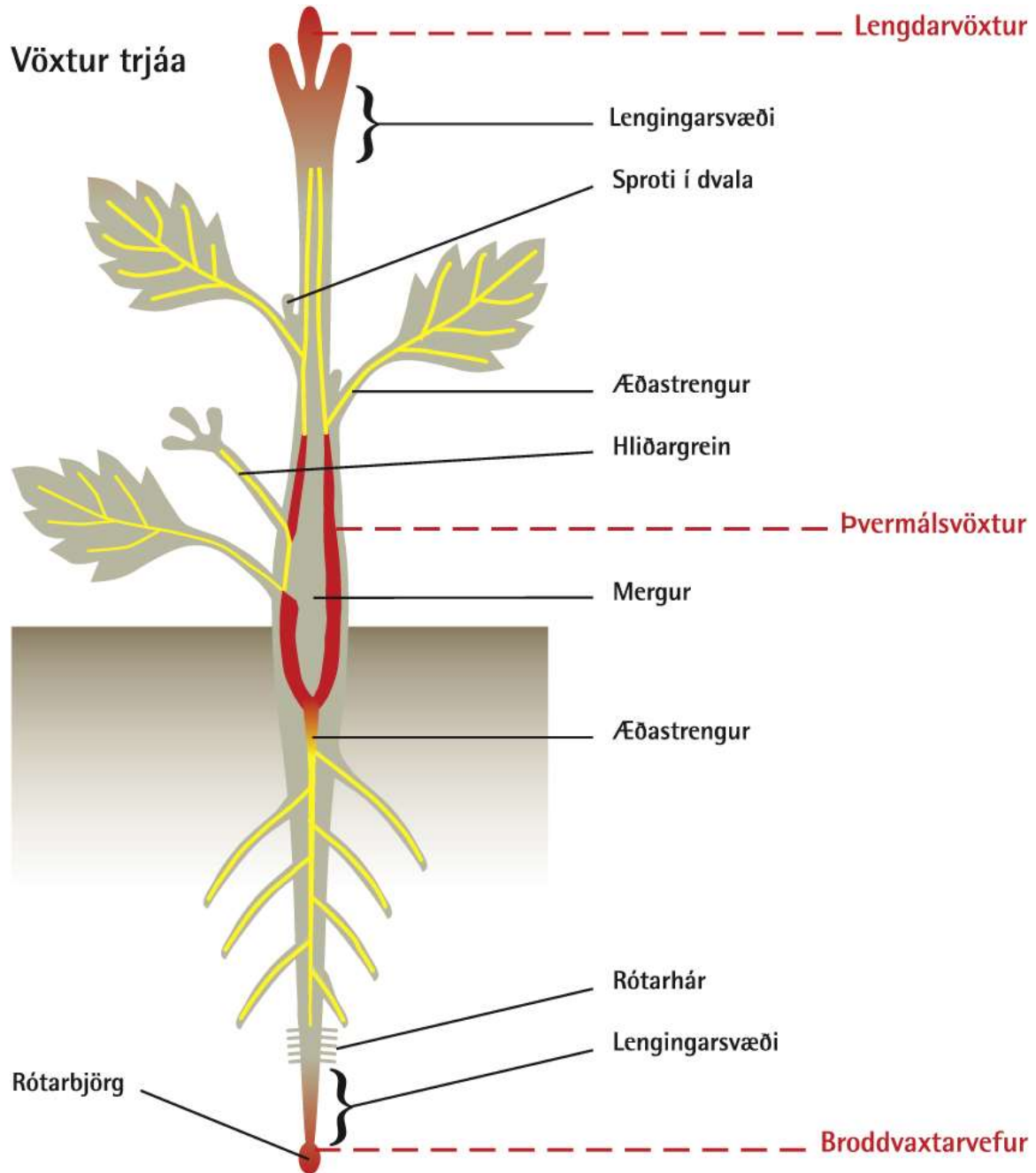
Kjarnviður

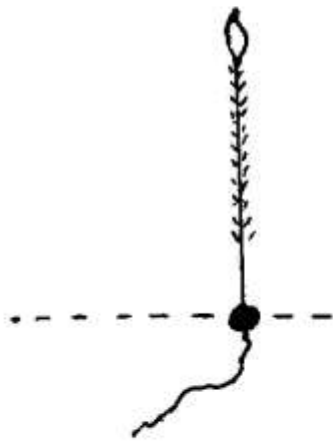
Börkur

Sáldæðar

Vaxtarlag

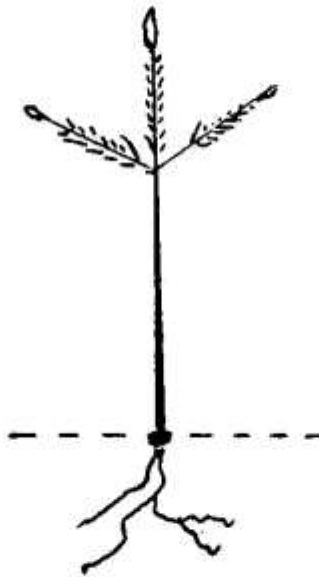
Vöxtur trjáa





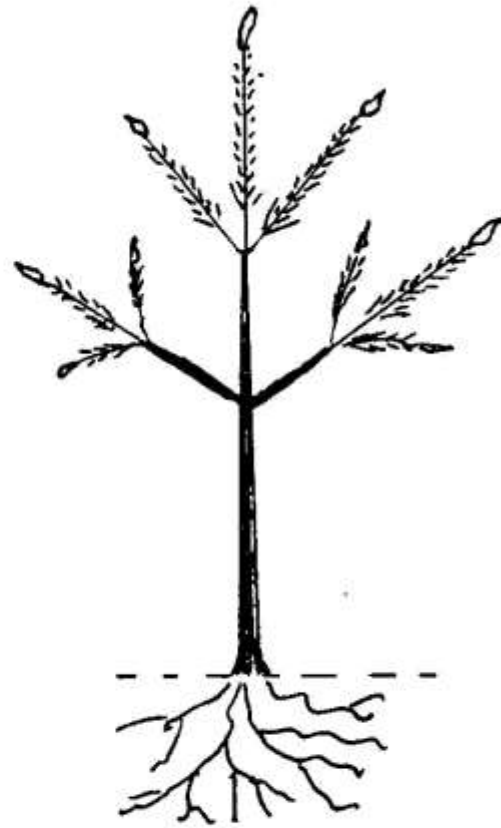
(a)

1. ÁR



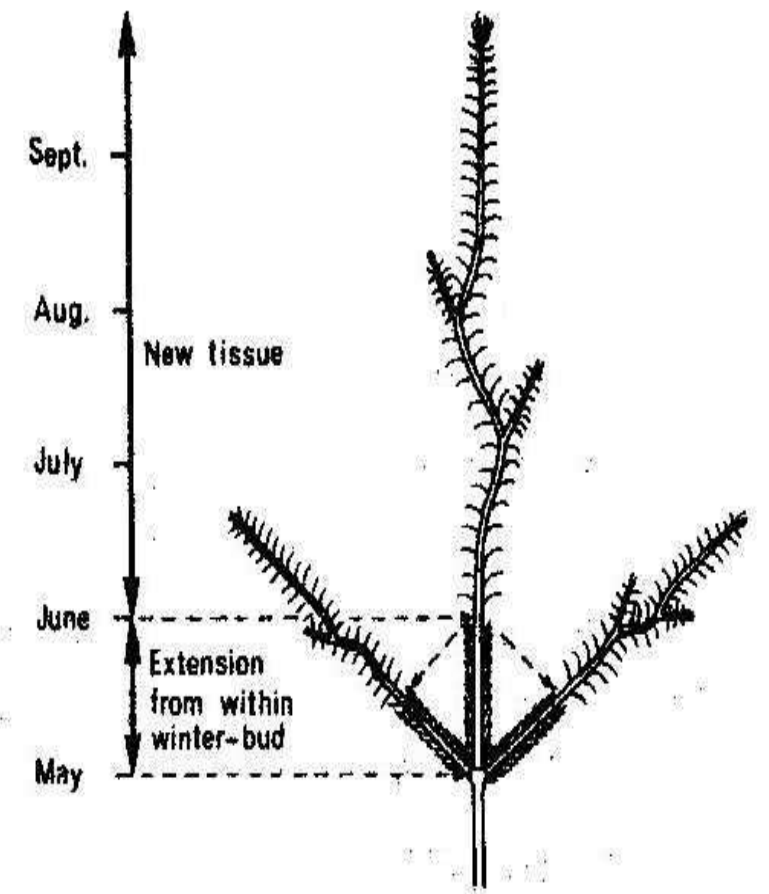
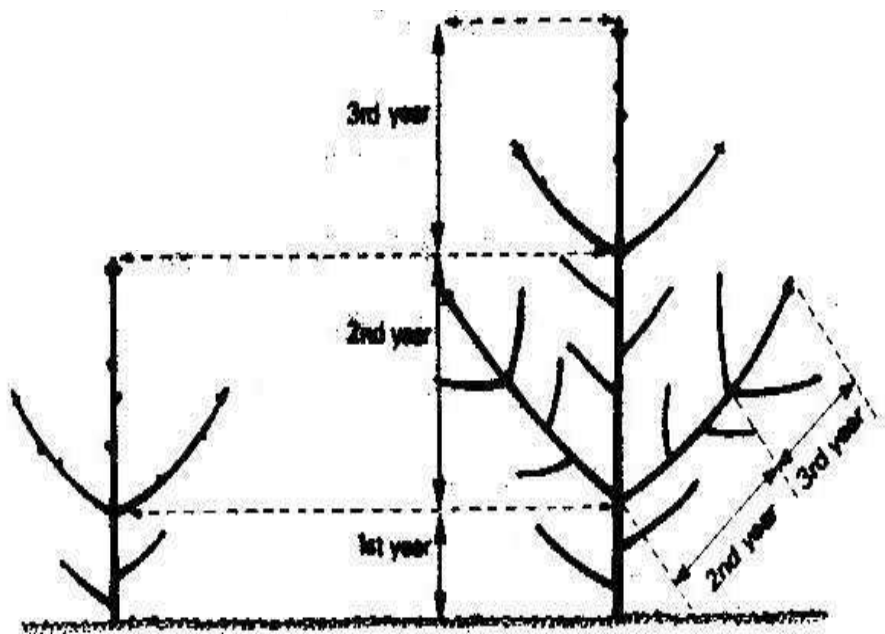
(b)

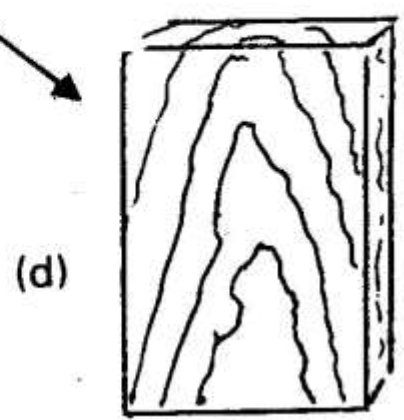
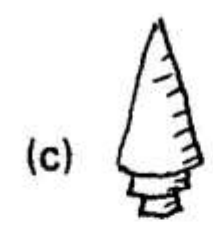
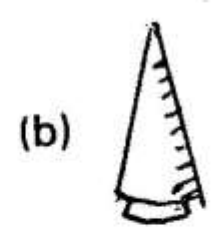
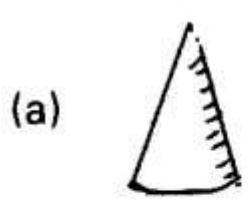
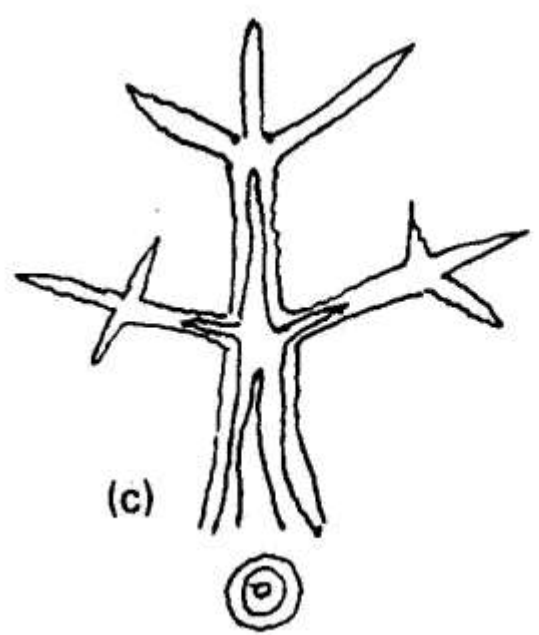
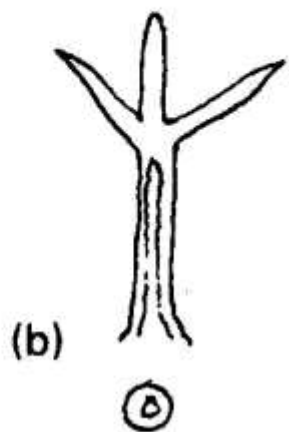
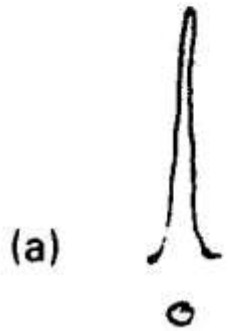
2. ÁR



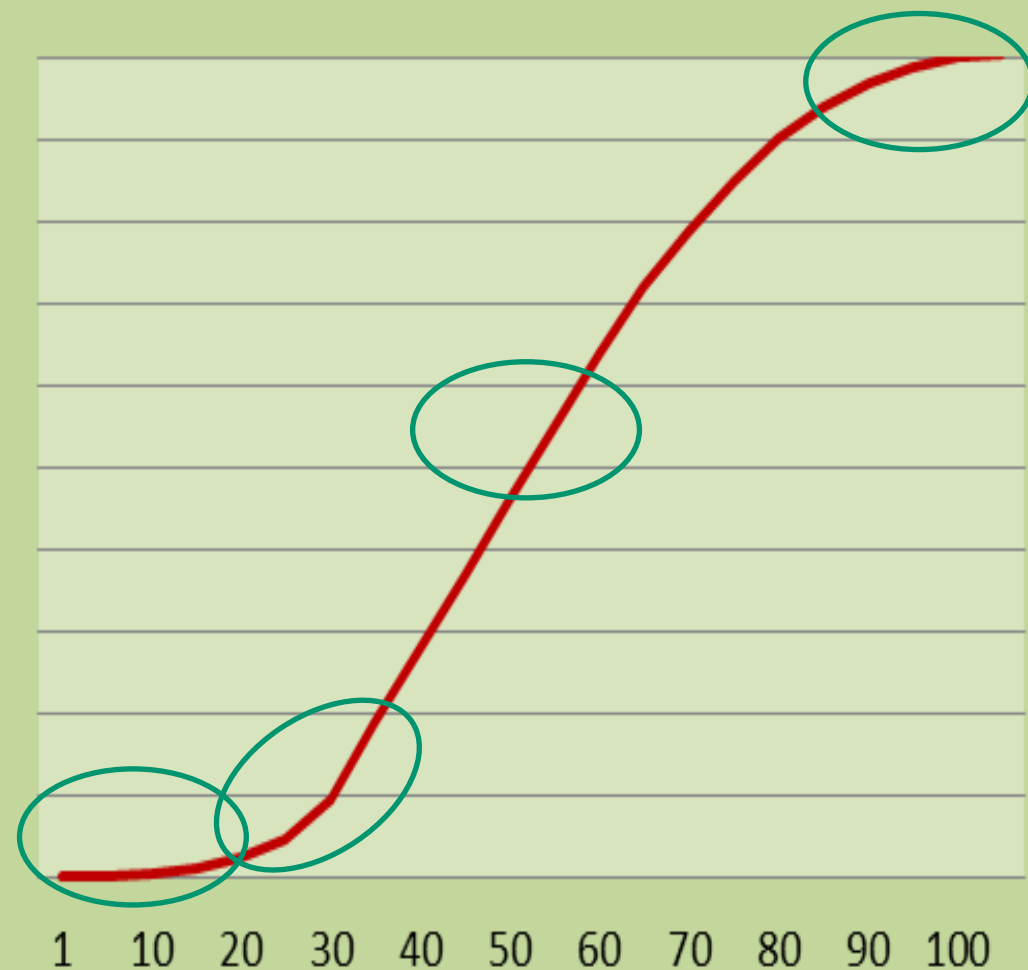
(c)

3. ÁR





Trjávöxtur - Lífmassi



Hægir á vexti með aldrinum

Jafn vöxtur í áratugi

Eftir 10-15 ár hefst hraðvöxtur

Jafn og hægur vöxtur til að byrja með



Viðargæði

- Eðaltimbur s.s. á að nota sem timbur – ekki bara kolefni
- Fremur þétt – en grisjun er dýr s.s. Fyrsta grisjun á að skila smátimbri – en timbri samt s.s. beinvaxið en smátt.
- Nokkurn veginn reglulegur þéttleiki
- Kvistar lifandi og dauðir
- Þrýstiviður og togviður





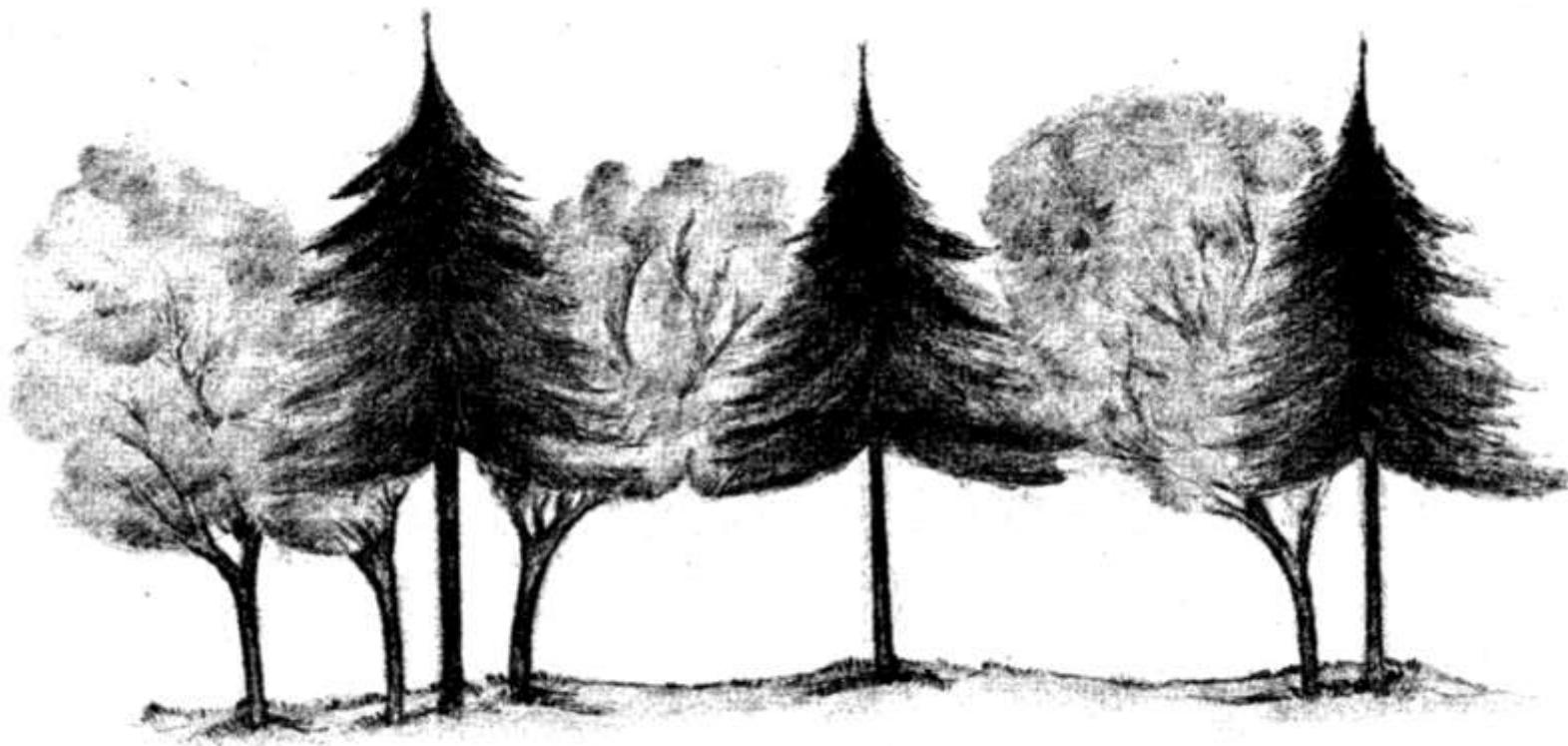


Tré bæta við hæð sína með toppvexti
en vaxa ekki frá rót.

Sé nagli rekinn í trjából í 1 m hæð
þegar tréð er 20 ára gamalt
verður hann enn í 1 m hæð þegar tréð
er orðið 100 ára

Pappírsbjörk í Alaska

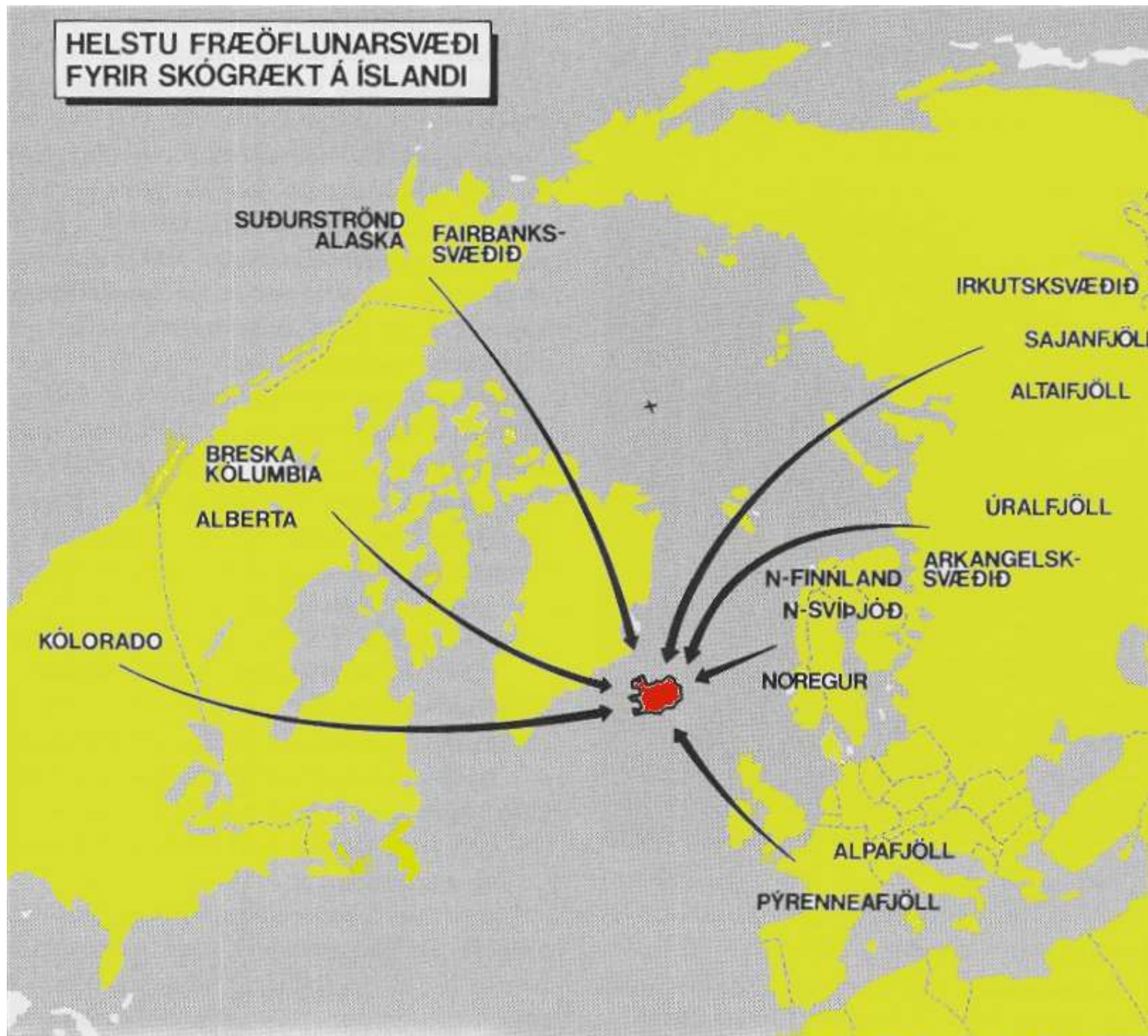




Lauftré – vaxa alltaf í átt að ljósinu

Barrtré – vaxa alltaf beint út frá miðju jarðar

HELSTU FRÆÖFLUNARSVÆÐI FYRIR SKÓGRÆKT Á ÍSLANDI



Tegund – fjöldi tegunda

Stofn eða kvæmi:

- staðbundin aðlögun að aðstæðum
t.d. hitasumma að vori,
daglengd að hausti

Klónn:

Sami einstaklingurinn erfðafræðilega
endurnýjun – en samt öldrun

Að vori:

Vöxtur hefst þegar uppsafnaður hiti nær ákveðnu lágmarki

Þetta lágmark er mismunandi fyrir hverja tegund og hvert kvæmi

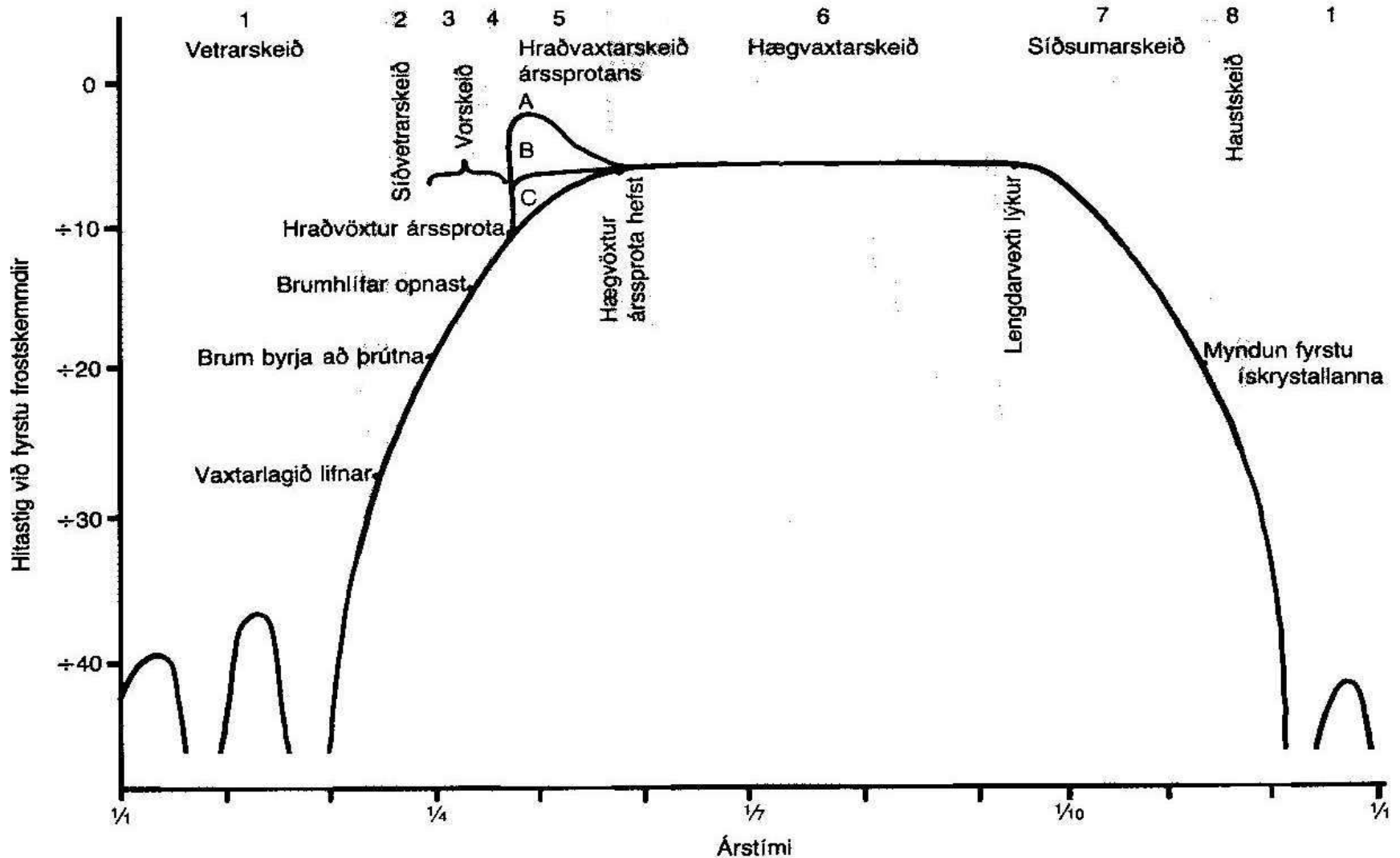
Að hausti:



Tré búa sig undir vetur þegar dagurinn styttist

Daglengdin er mismunandi eftir tegund og kvæmi

Frostþol – eða sko frostskemdir



An aerial photograph of a lush green valley. A small stream flows through the center, bordered by a dirt road. The foreground is a mix of green grass and grey gravelly soil. A fence line is visible in the middle ground.

Aðstæður skipta höfuðmáli

**Fyrsti fundarstaður blæspar á Íslandi
100 ára gamalt blæsparstöð á Garði í
Fnjóskadal (friðað en ekki fyrir beit)**



7 stykki voru flutt að Hofi í Vatnsdal um 1950

Og nú er þar stór lundur af blæösp

