

De Vita Mea ut Planta



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Citation: Jones, A.M., and Ellis, J. (2012). *My Life As A Plant*. Rockville, Md.: American Society of Plant Biologists.
Address correspondence to ASPB, 15501 Monona Drive, Rockville MD 20855 USA. www.aspbi.org.

Library of Congress Cataloging-in-Publication Data

LC control no.: 2012939279

LCCN permalink: <http://lccn.loc.gov/2012939279>

Type of material: Book (Print, Microform, Electronic, etc.)

Personal name: Jones, Alan.

Main title: *My life as a plant / Alan Jones, Jane Ellis.*

Edition: 1st ed.

Published/Created: Rockville, MD : American Society of Plant Biologists, 2012.

Description: p. cm.

Projected pub date: 1206

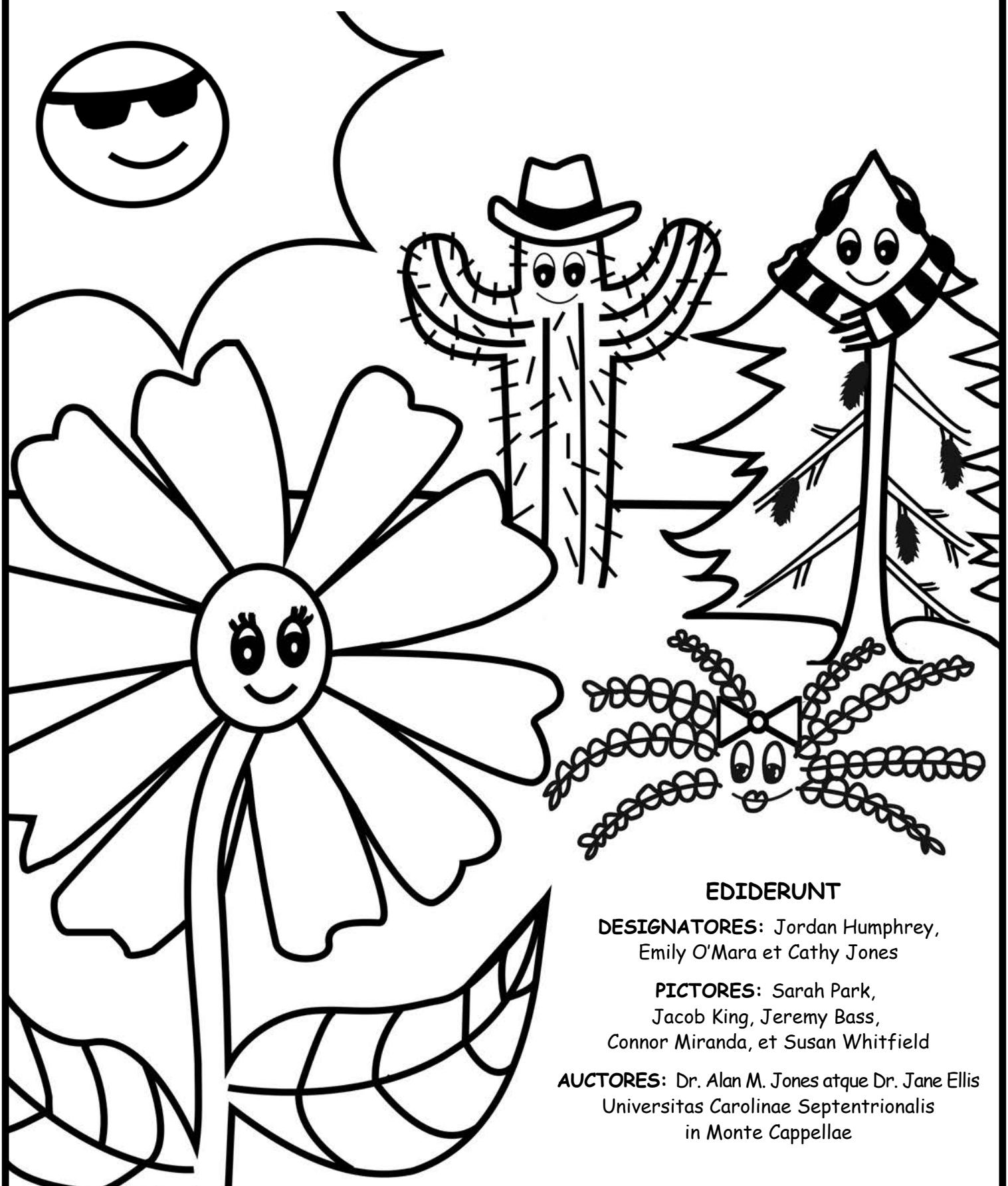
ISBN: 978-0-943088-55-6 (alk. paper)

Translated by: Will Begley and Robert G. Babcock.

Printed in the United States of America.

First impression, June 2012, Minuteman Press, Inc.

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EDIDERUNT

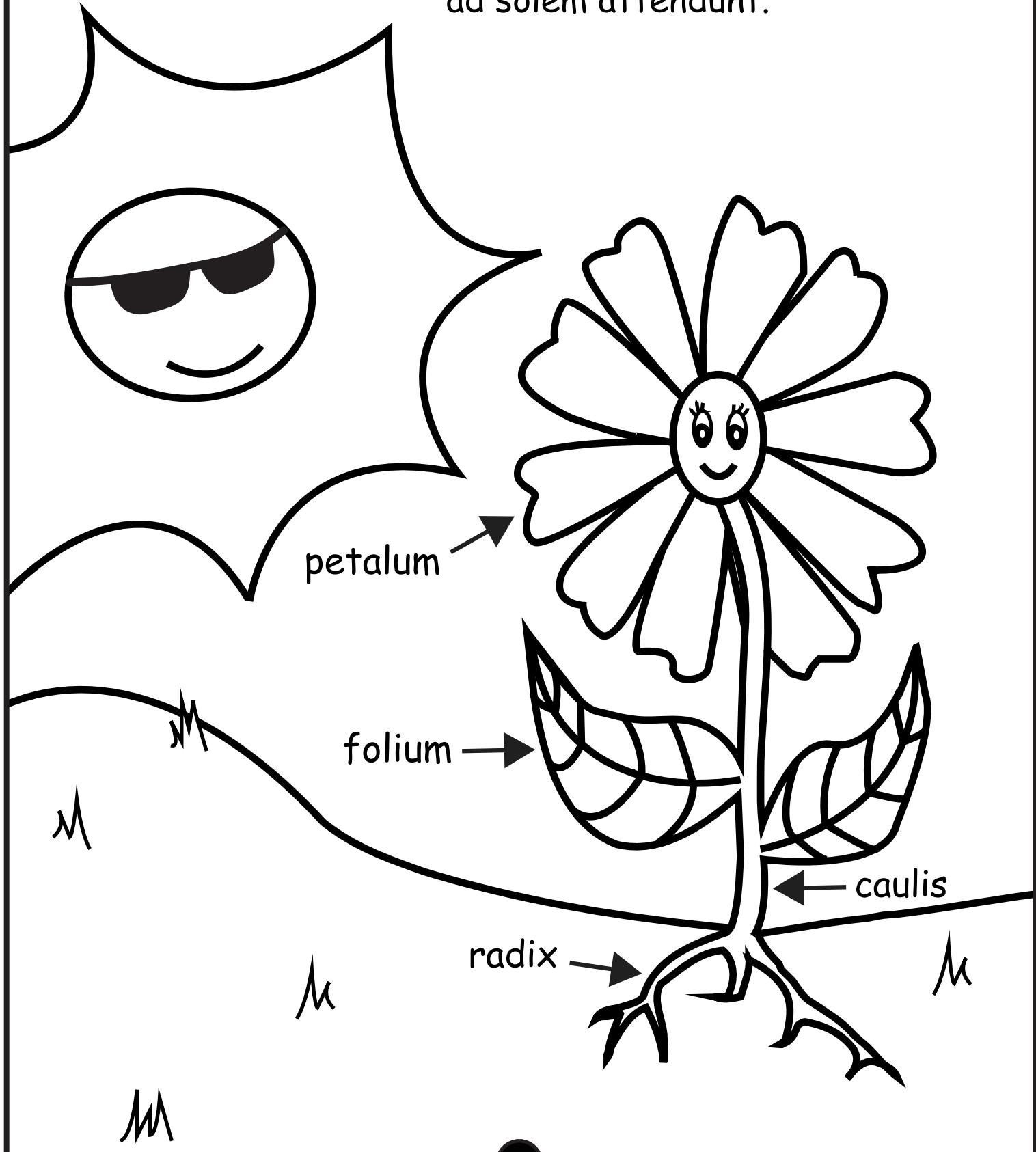
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Emily O'Mara et Cathy Jones

PICTORES: Sarah Park,
Jacob King, Jeremy Bass,
Connor Miranda, et Susan Whitfield

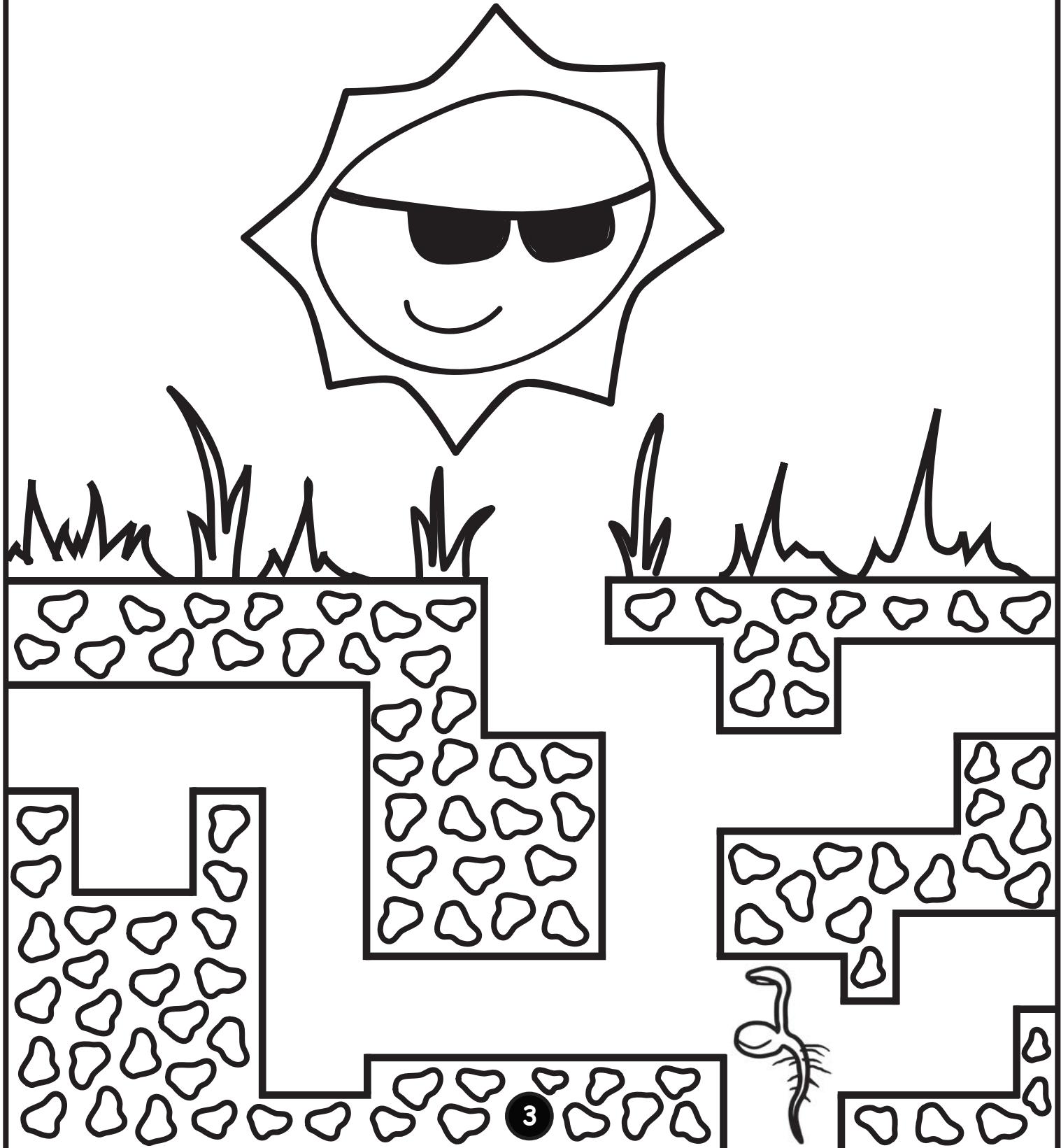
AUCTORES: Dr. Alan M. Jones atque Dr. Jane Ellis
Universitas Carolinae Septentrionalis
in Monte Cappellae



"Salve! Nomen mihi est Helena Helianthus!
Radices mei SUB terra manent,
et folia caulisque SUPER terram
ad solem attendunt."

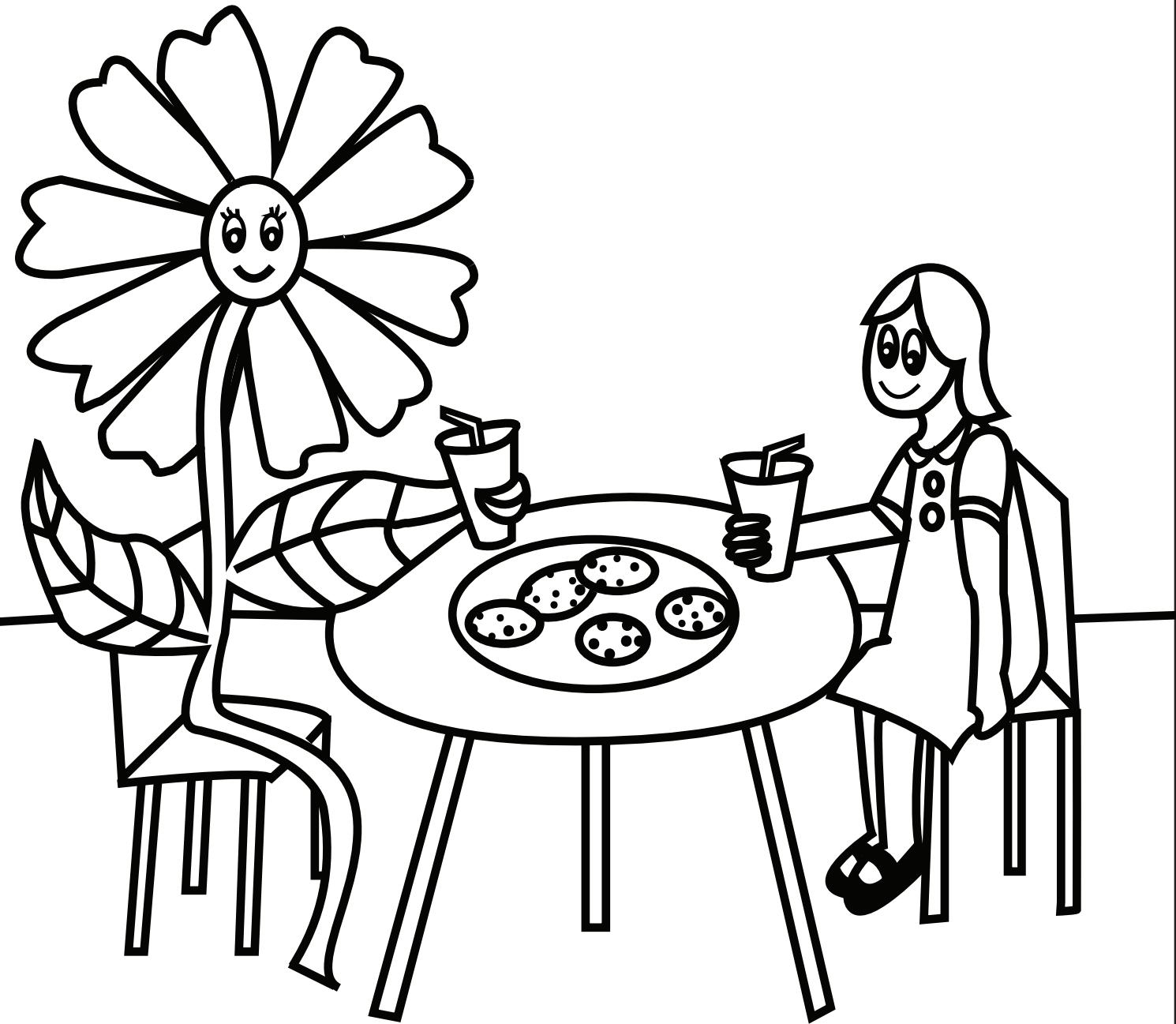


Plantae ab seminibus ad solem adolescunt.
Adiuva plantulam quaerentem viam ad solem.

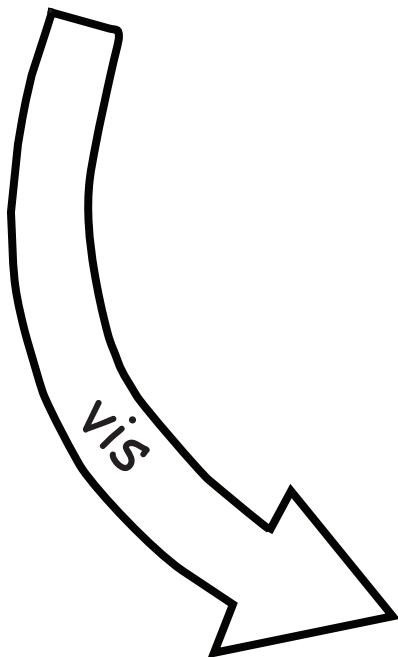
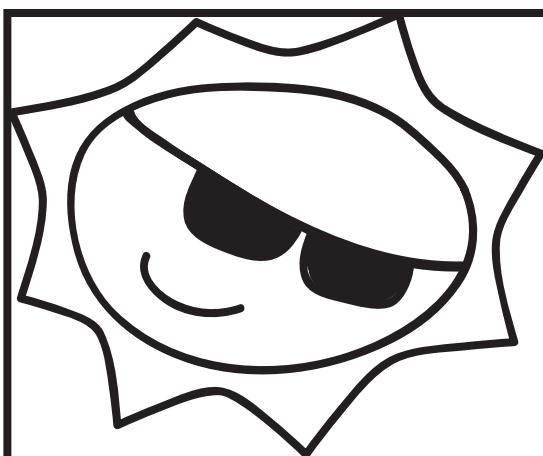




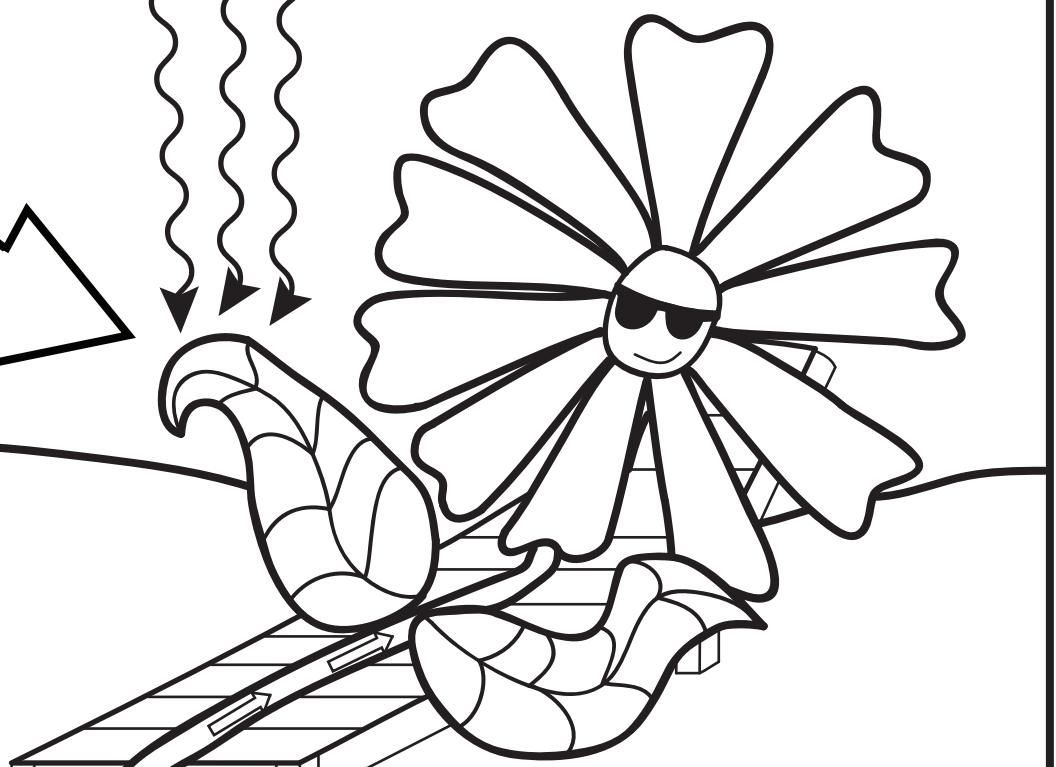
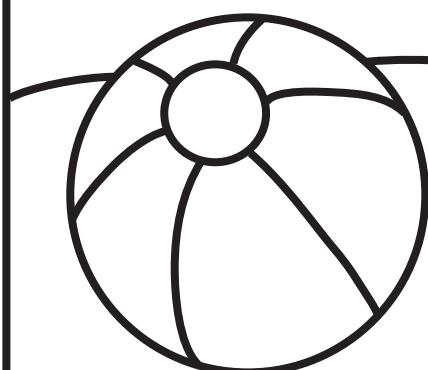
"Ut crescam, opus est cibo tam
mihi quam TIBI!"



"Sed vi solis utor ut
cibum ex aere (CO_2)
et aqua (H_2O) faciam."

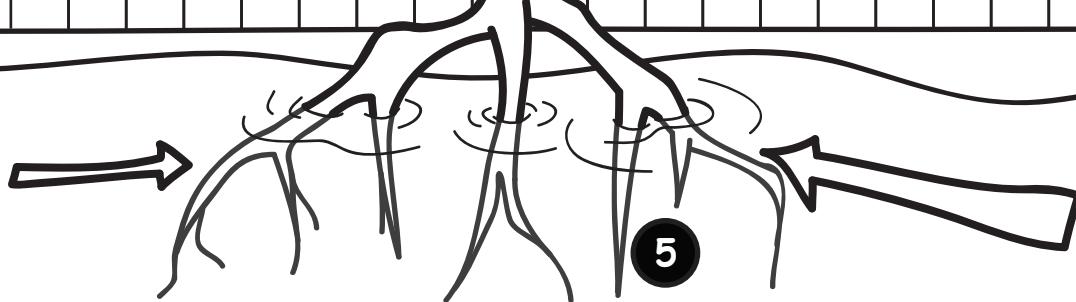


aer
(CO_2)



5

aqua
(H_2O)



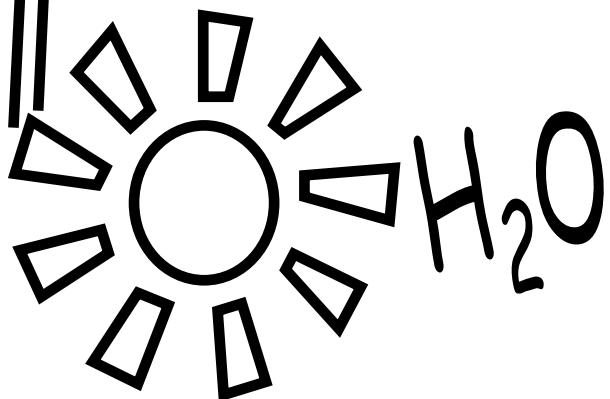
"Nobis ambobus opus est cibo, sed alius aliter
cibum parat. Compositiones comparemus."

Helenae Cibus:

Photosynthesis:

- sol
- dioxidum carbonis (CO_2)
- chlorophyllum
- aqua (H_2O)
- mineralia

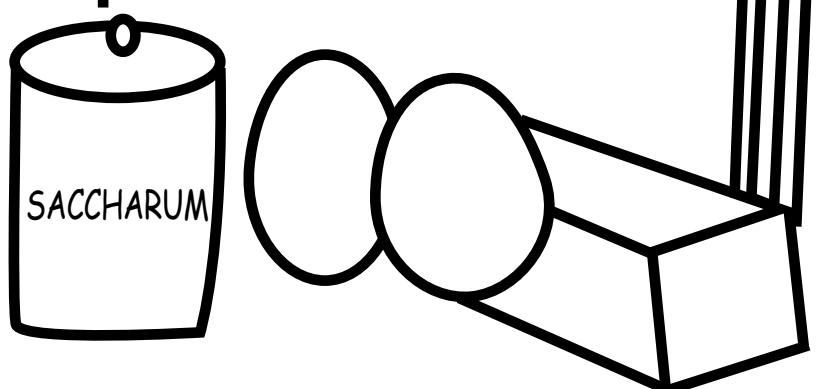
Permisce ut accipias
saccharum et oxygenium.



Hominibus Cibus:

Crustula Incocata ex Arachibutyro

- VIII quadrata buccellatorum Grahamianorum, pulverizata
- quarta pars poculi uvae passarum
- quarta pars poculi arachibutyri
- II cochlearia mellis
- IV cochlearia nucis palmae (non dulcoratae)



"Eugepae! Exquisitum videtur. Coquamus!
Roga, ut semper, adultos ut auxilium tibi ferant."



Crustula Incocata ex Arachibutyro

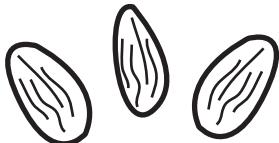
Roga adultum quendam ut auxilium tibi ferat.

Combina in parva patella:

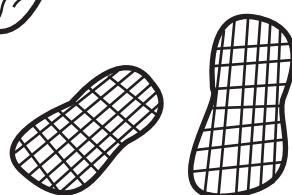
frustula buccellatorum

Grahamianorum,

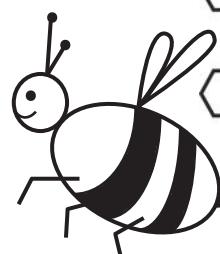
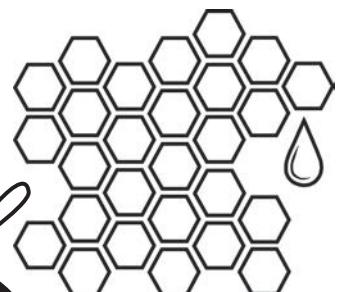
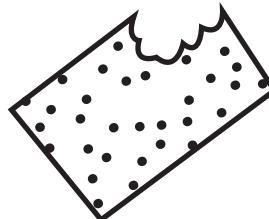
uvas passas,



arachibutyrum,



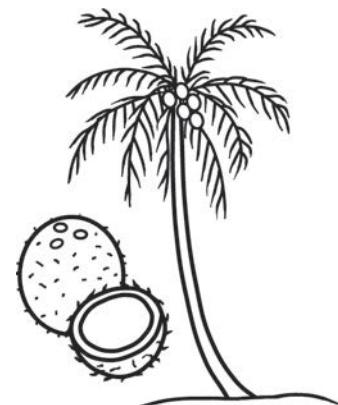
et mel.



Misce cochleario.

Palpa in octo crustula; quo facto,
leviter volve in ramentis nucis
palmae.

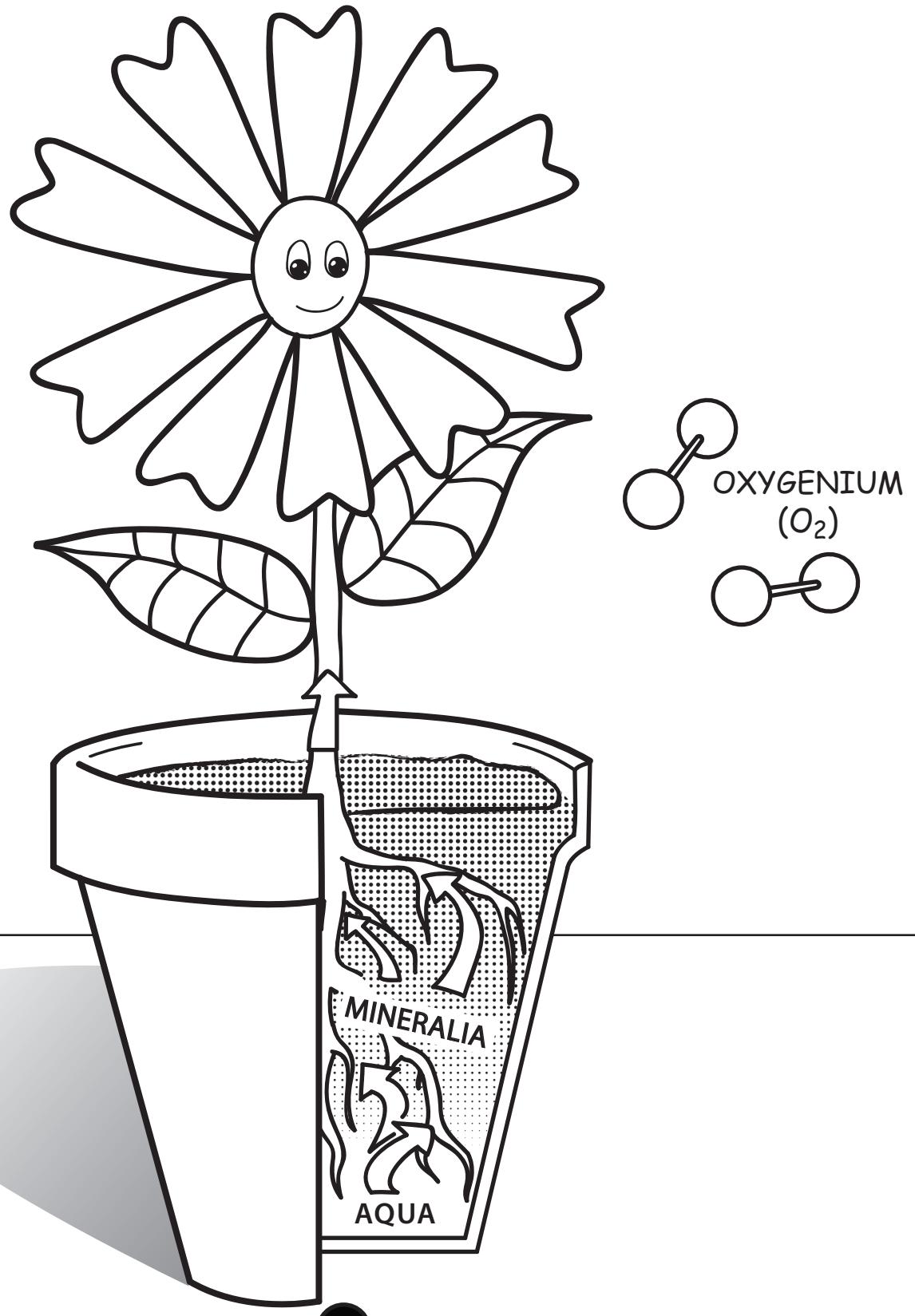
Refrigera, donec firma fiant.



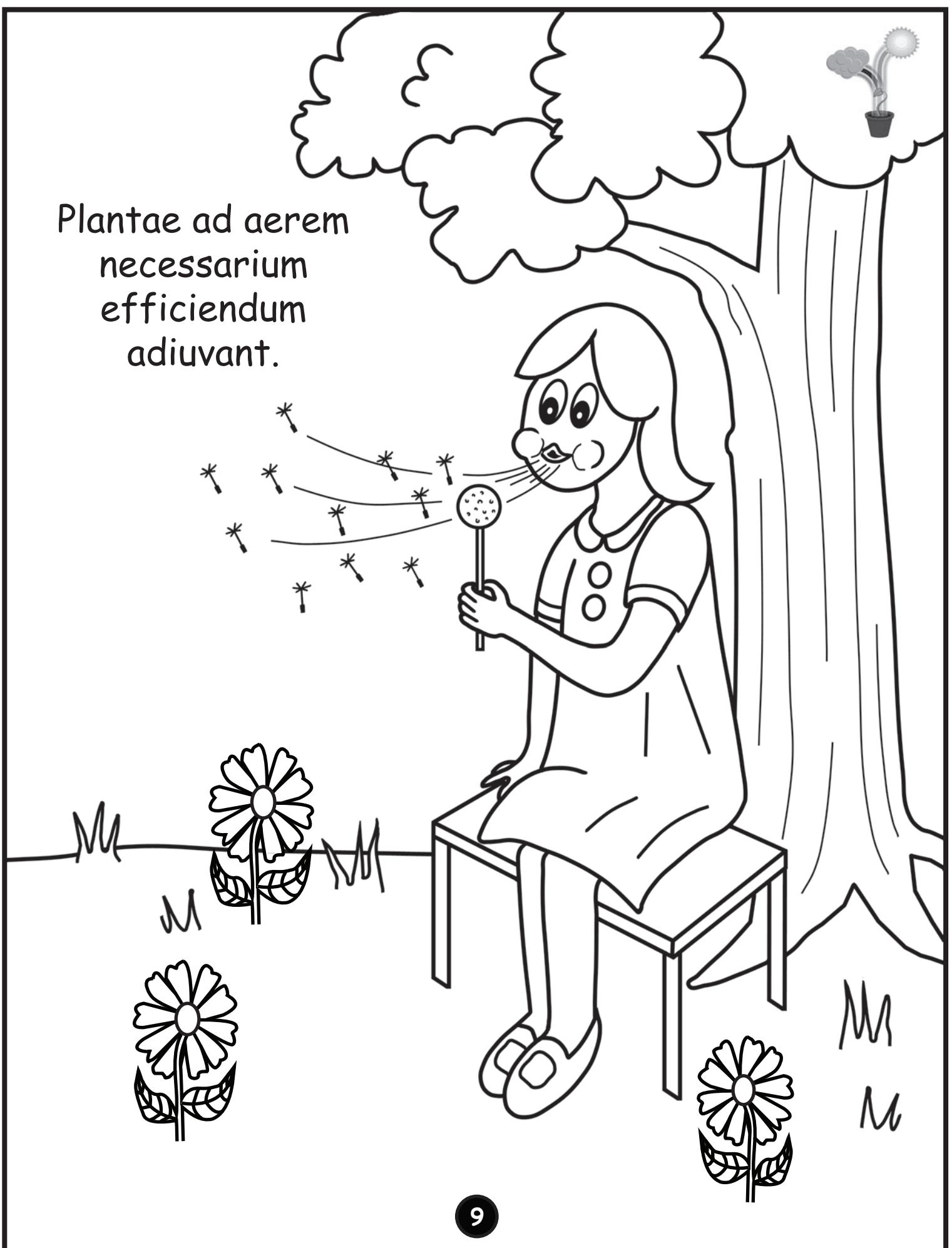
Scivistine omnes partes horum crustulorum
deduci ab plantis?



"Sole adiuvante, cibum paro necessarium.
Opus est mihi quoque et oxygenio (O_2),
et aqua (H_2O) et mineralibus. Haec me
adiuvant ut cibum in formam VIS mutem!"

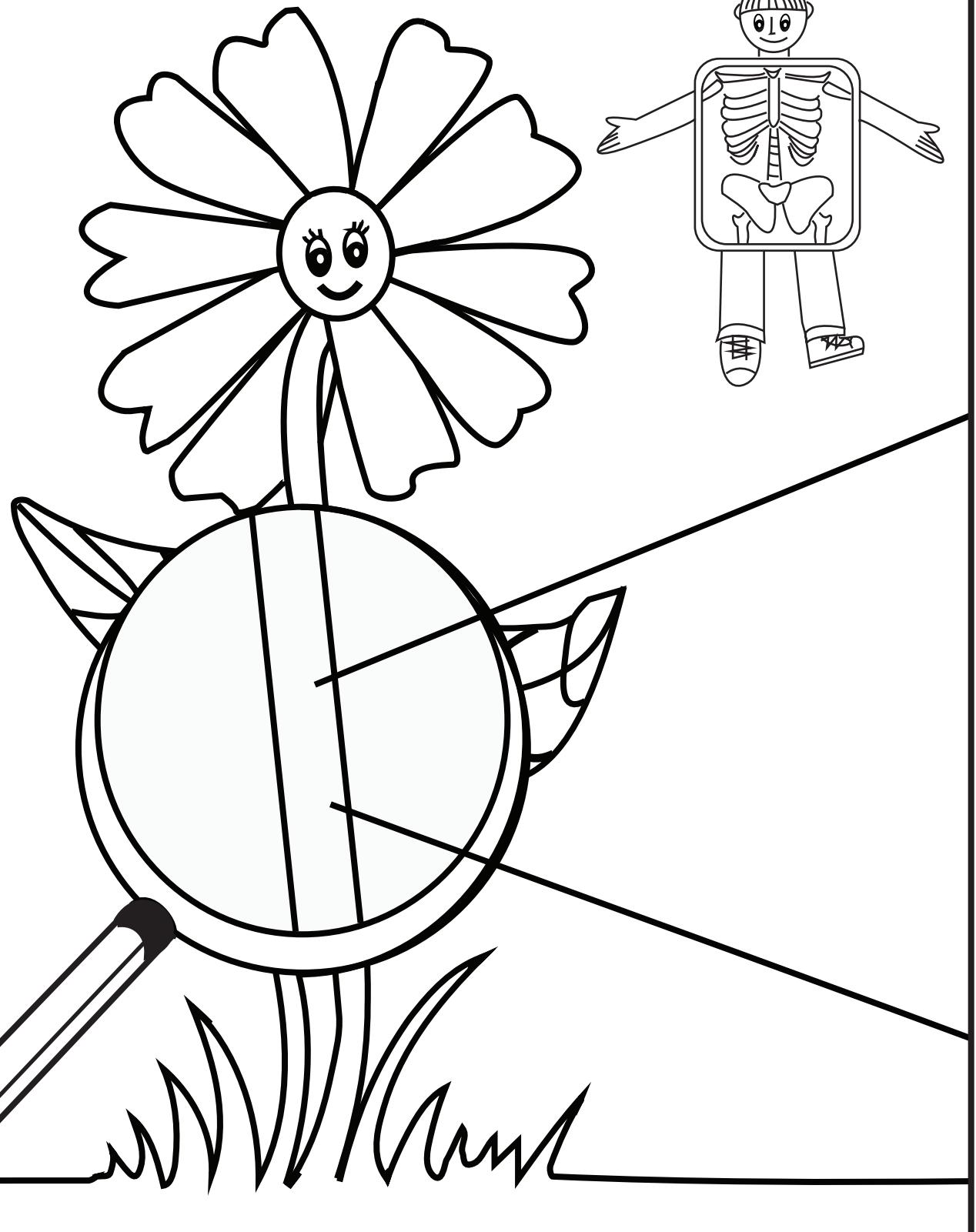


Plantae ad aerem
necessarium
efficiendum
adiuvant.





"Tu ossa, ego muros cellulares habeo,
qui nos crescentes confirmant."



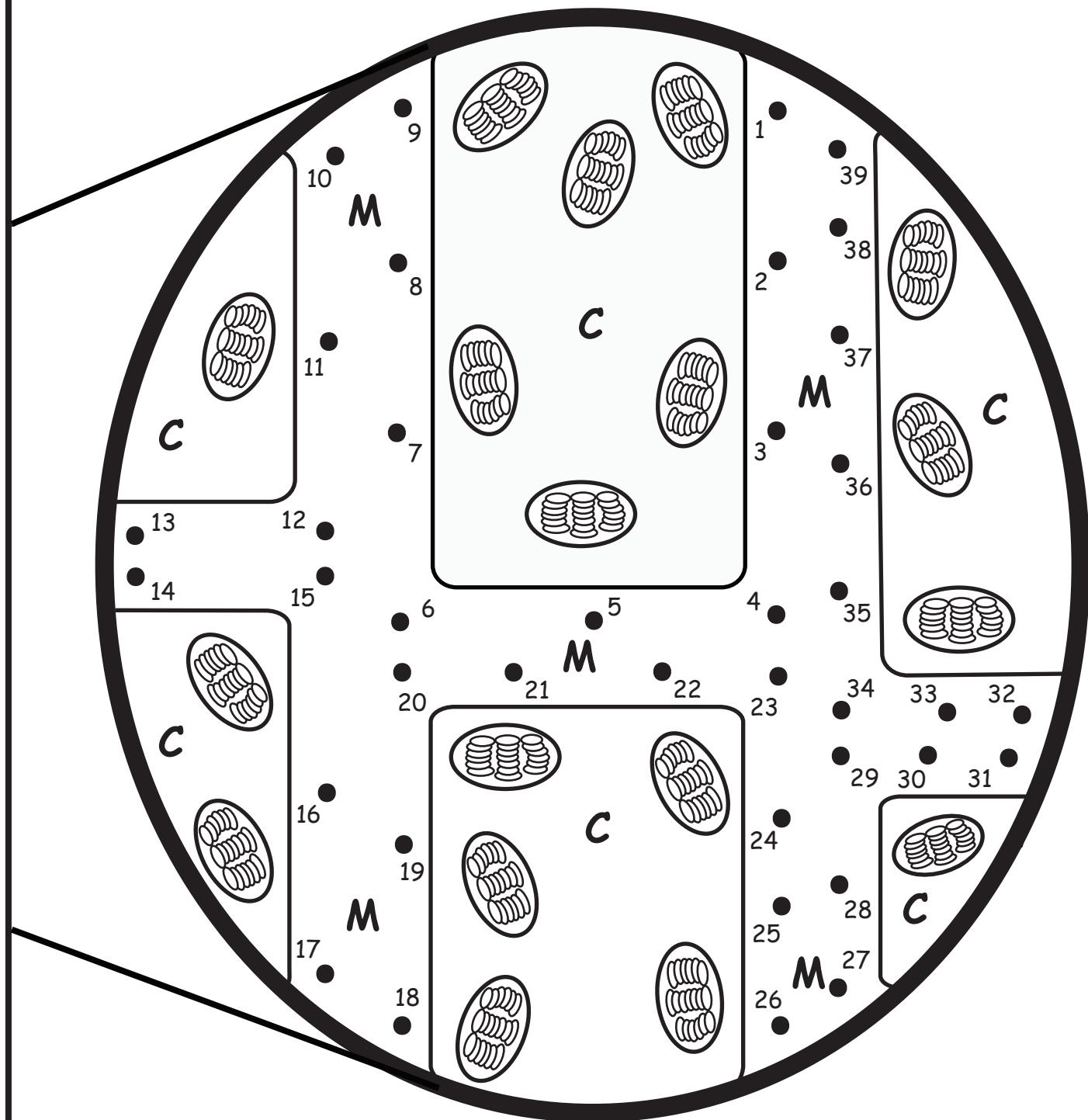
Tinge omnes muros cellulare (M) spadicis colore.

Tinge omnes cellas (C) flavo colore.

Iunge punctus murorum cellularium Helenae.



Tinge omnes viridi colore. Appellantur "chloroplasta."
Quae Helenae dant colorem eius viridis.



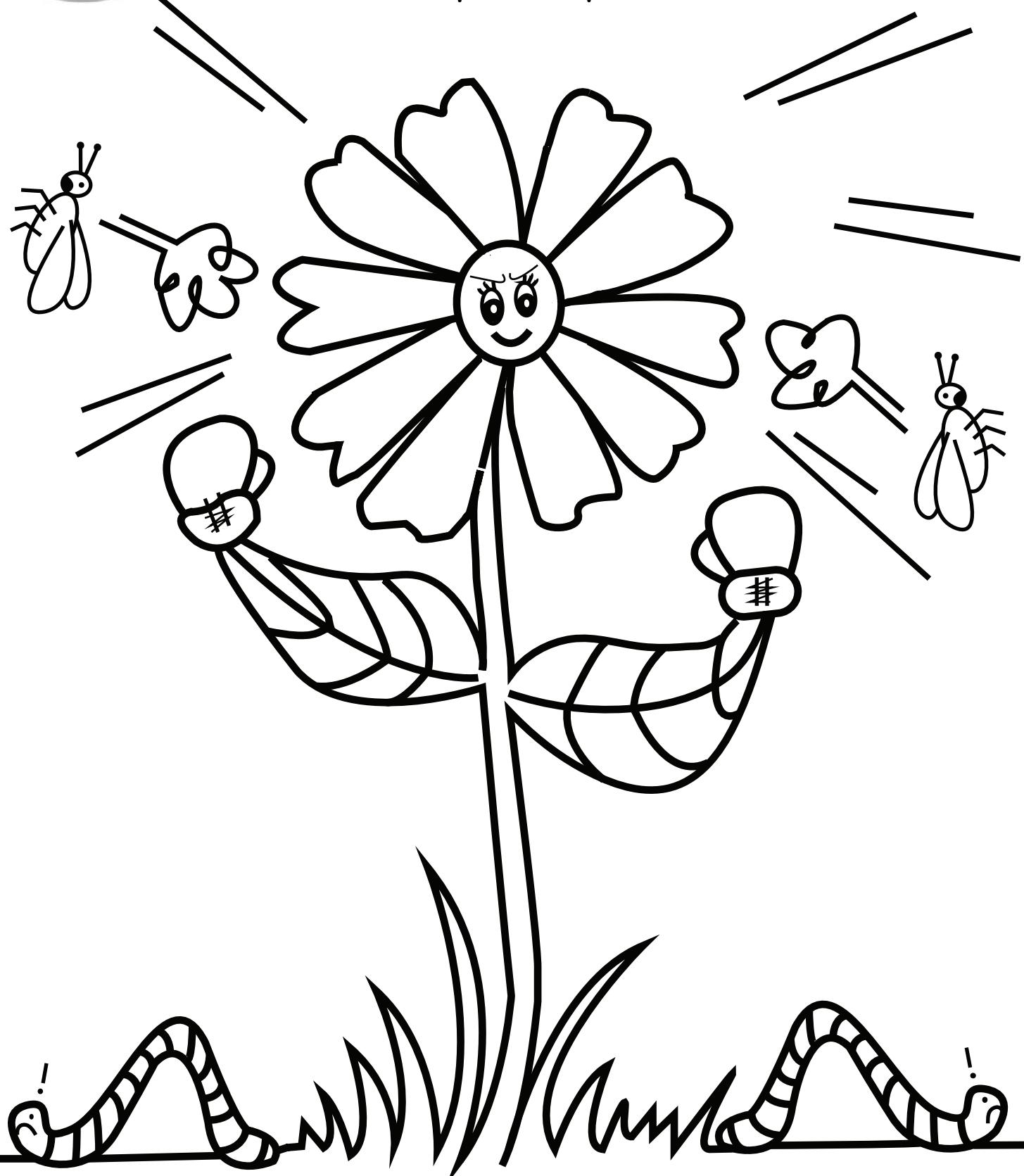
Numera flavas cellas _____

11

Numera virides _____



"Tu insecticidium tecum ad hortos fers;
ego autem insecta sine hoc veneno
repellere possum!"



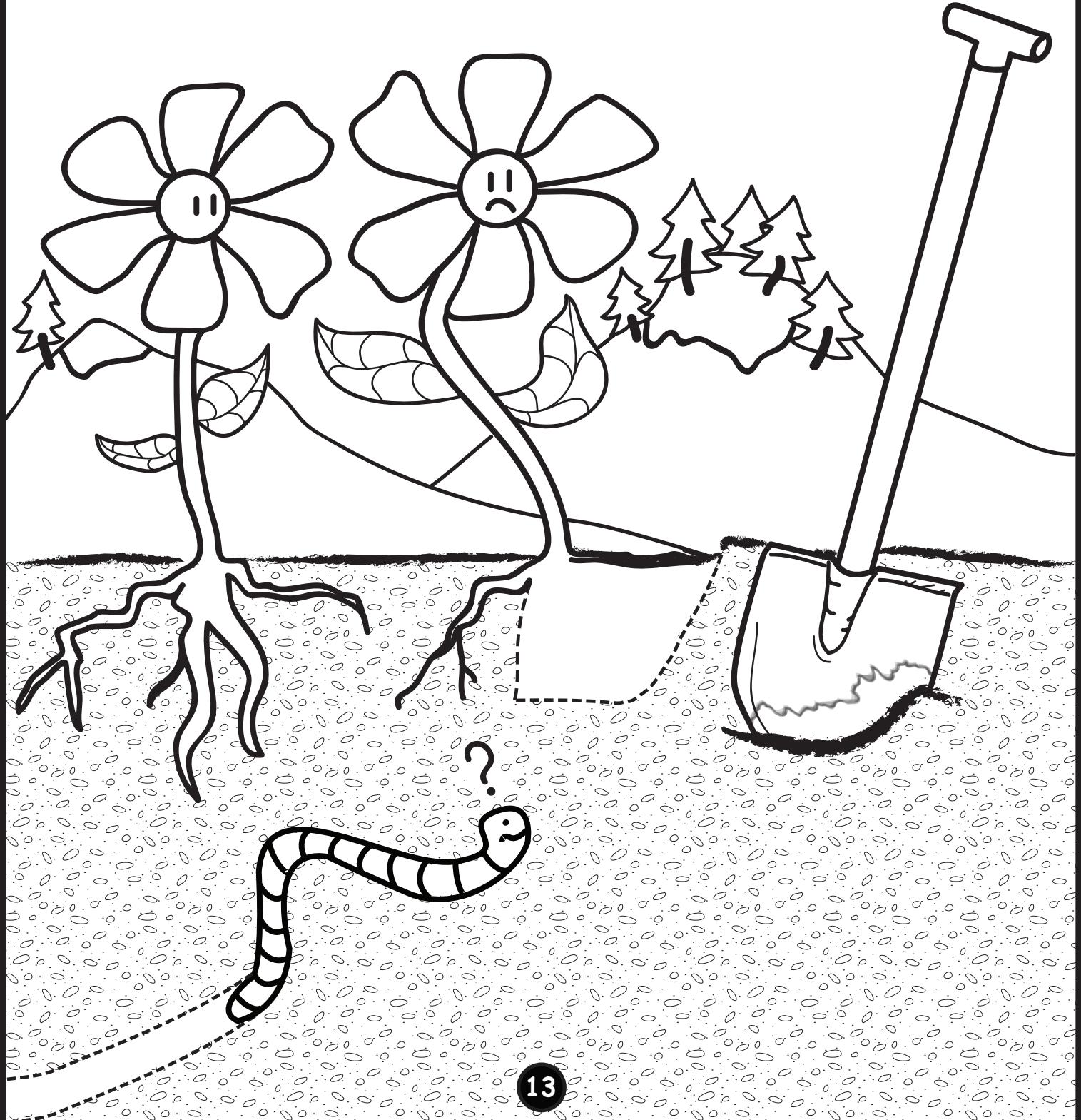
Plantae, haud aliter quam tu, laedi possunt.

Plantae autem nova membra promittunt,
id quod homines non possunt.

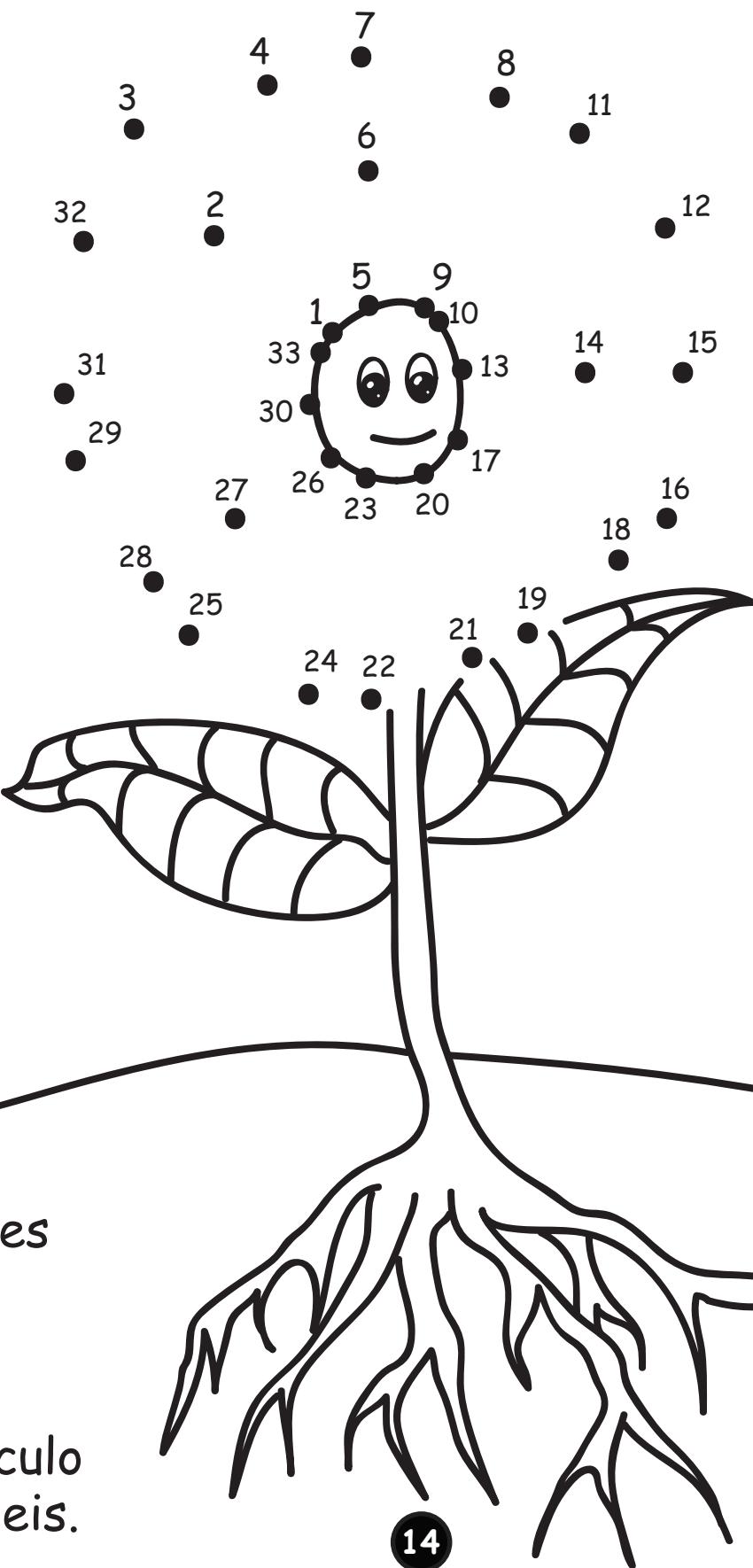


Adde novas radices flori infero, qui a rastro abscisus est.

Flores quoque pallidi videntur; quidni interea colorem illis des?



"Iunge punctus ut quis sim reveles!
Colora me!"



Quot fines
radicum
vides?

Nota circulo
unum ex eis.

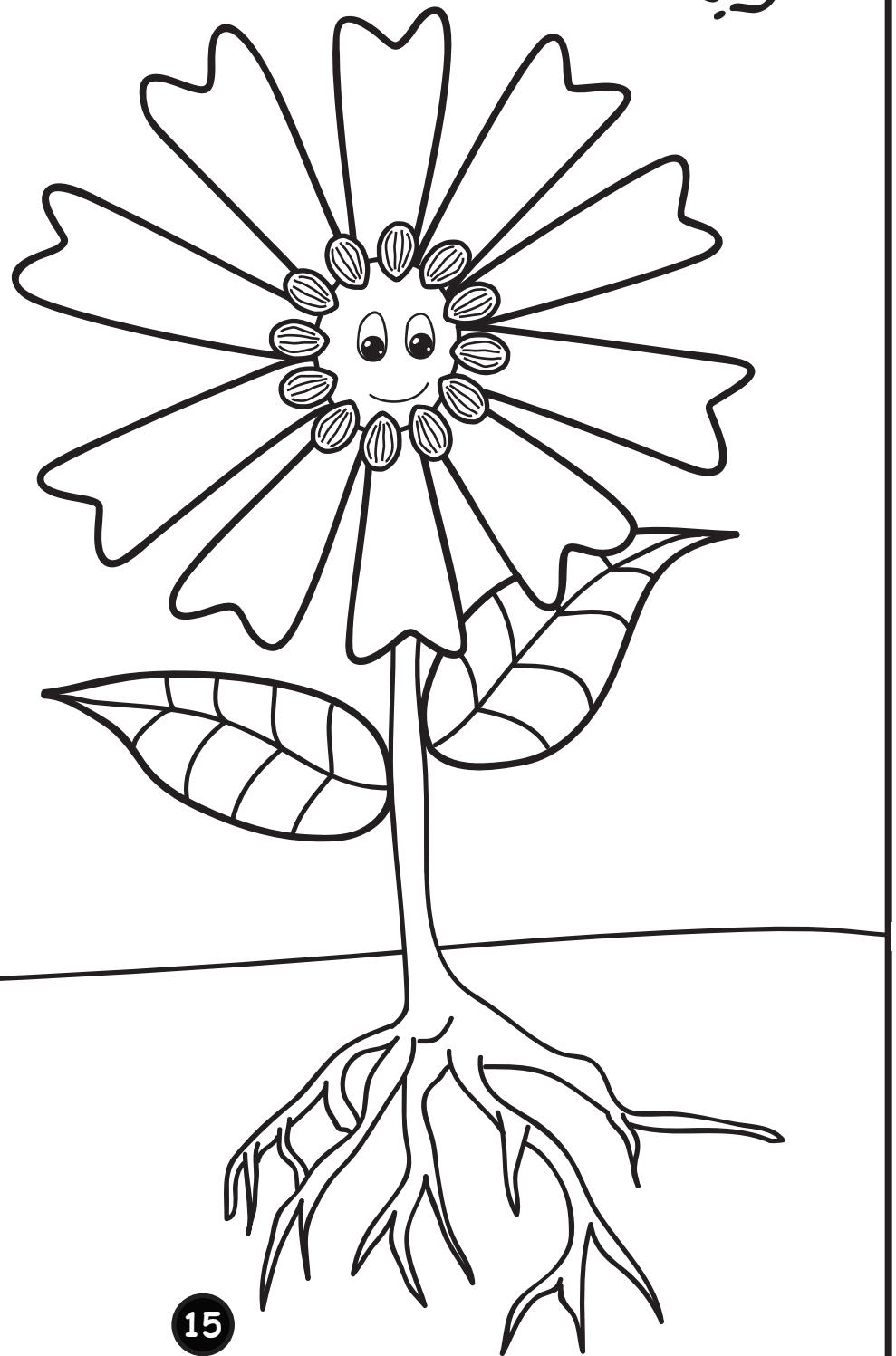
Potesne invenire partes plantae?
Designa lineam usque
ad Helenae...

1. Petala

2. Semina

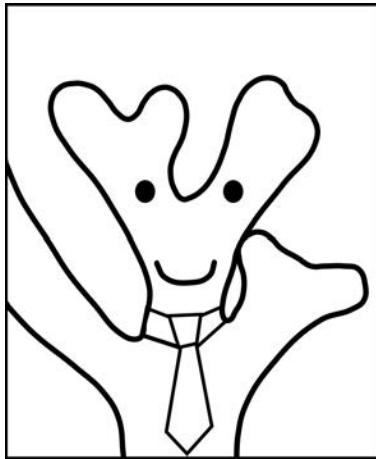
3. Caulem

4. Radices

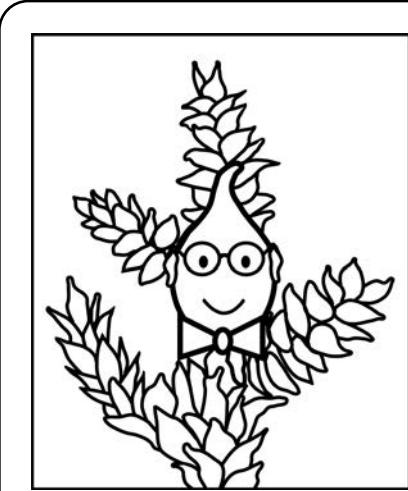




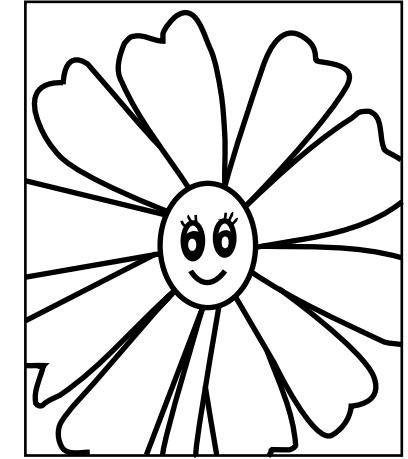
Hoc est stemma generis Helenae.
"Orta sum ex vetustissima familia.
Haec familia per saecula multa valde mutavit,
quod me efficit id quod nunc sum."



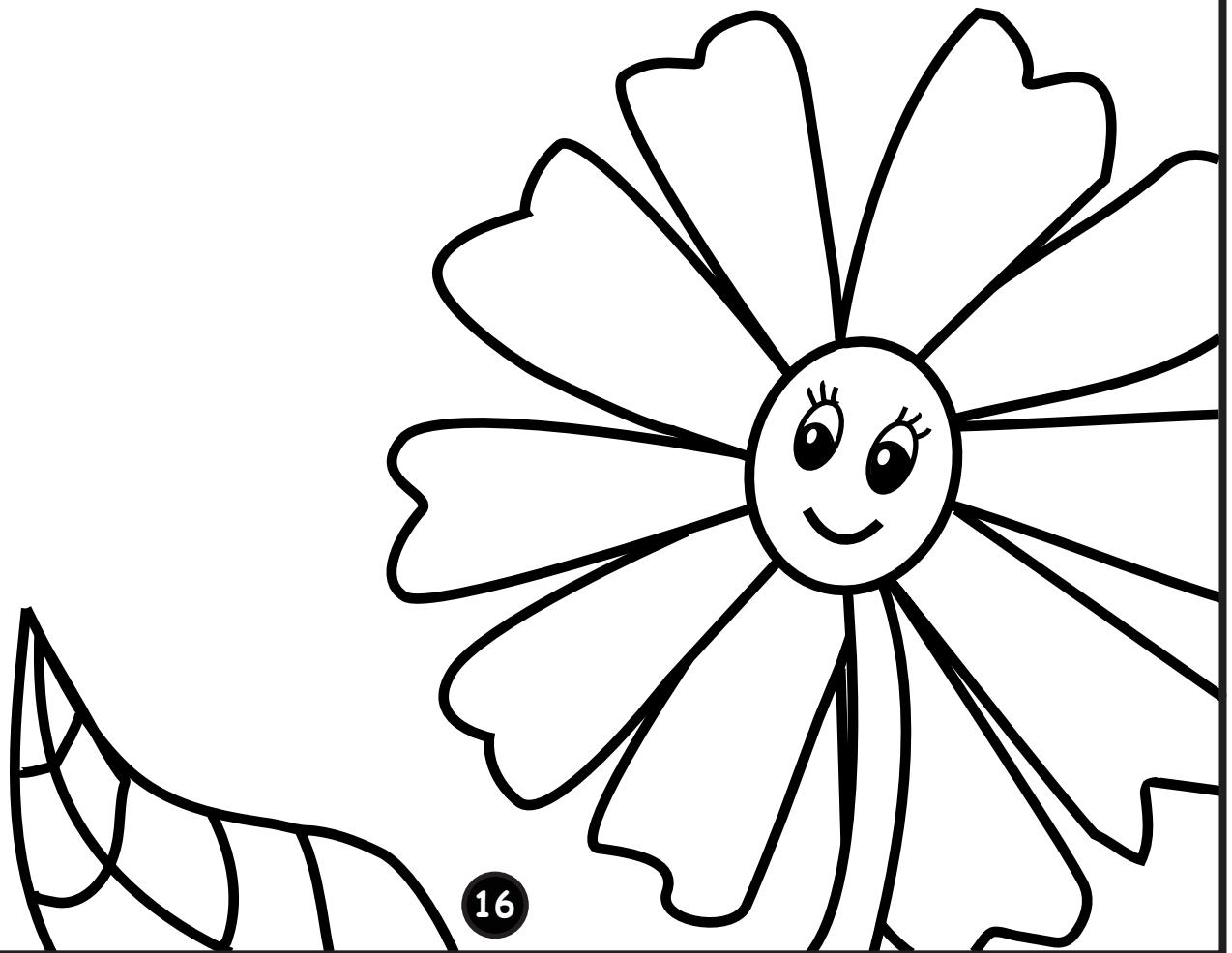
PROAVUS
ALGAE



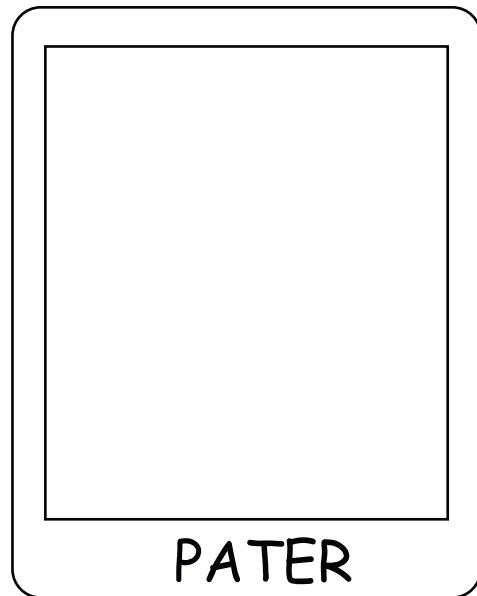
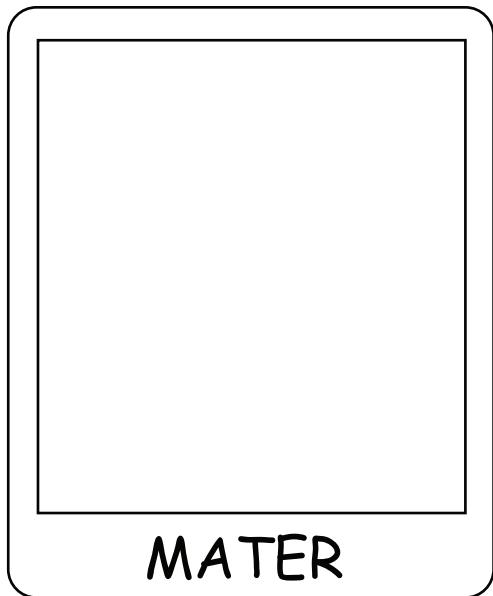
AVUS
MUSCUS



EGO!

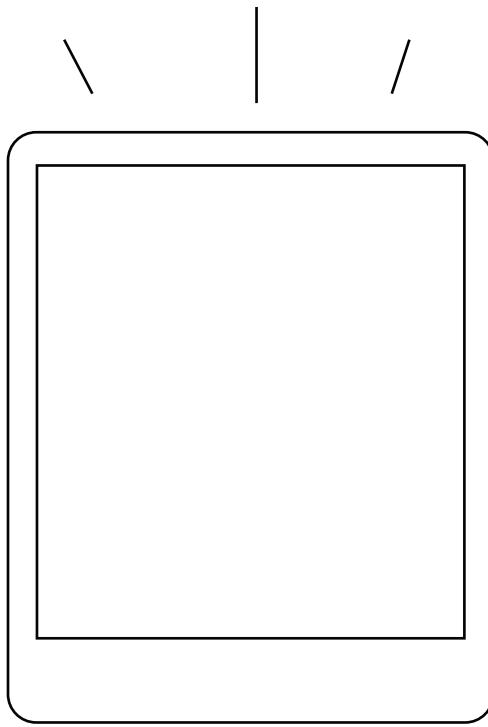


"Agedum vicissim dic mihi de tua familia!
Potesne stemma tuum designare?"



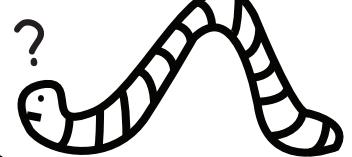
MATER

PATER



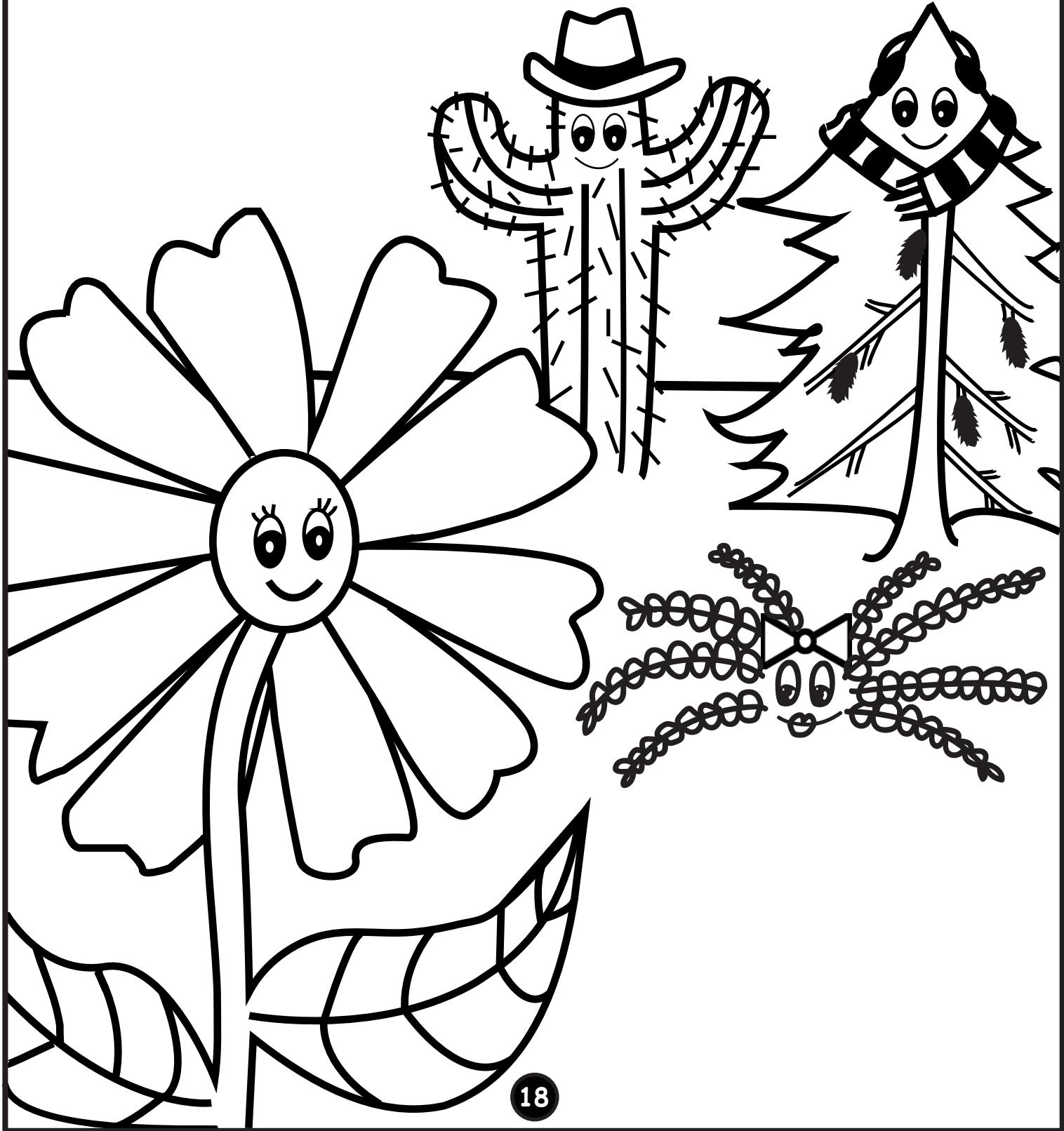
Scribe hic nomen tuum

Videntur
oculi tui
similior illis
matris, vel
his patris?





"Amici mei omnibus figuris
formisque sunt."





Perge, circumspecta!
Designa et tinge colore
omnia quae vides!



Reperi folia diversis figuris formisque.

Reperi plantas et animalia cohabitantes.



"Salve! Douglas Abies sum.

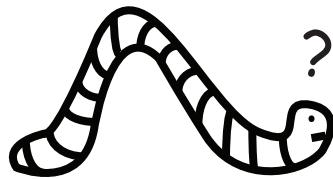
In montibus habito.

Totum annum teneo mea folia gracilia.

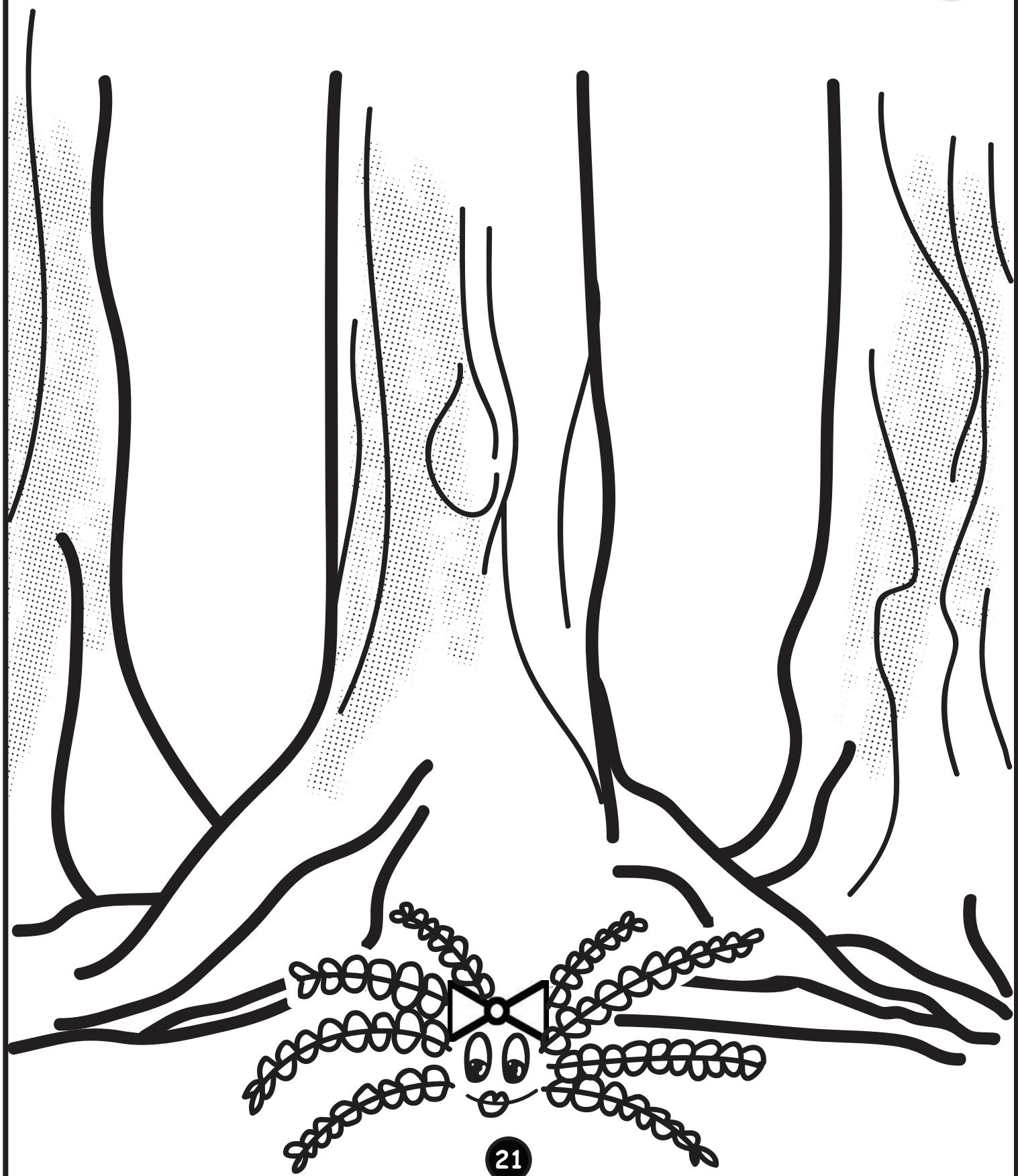
Ab seminibus in conis crescent abietuli."



"Velim scire quot abietuli iuxta
Douglas crescere possint?"

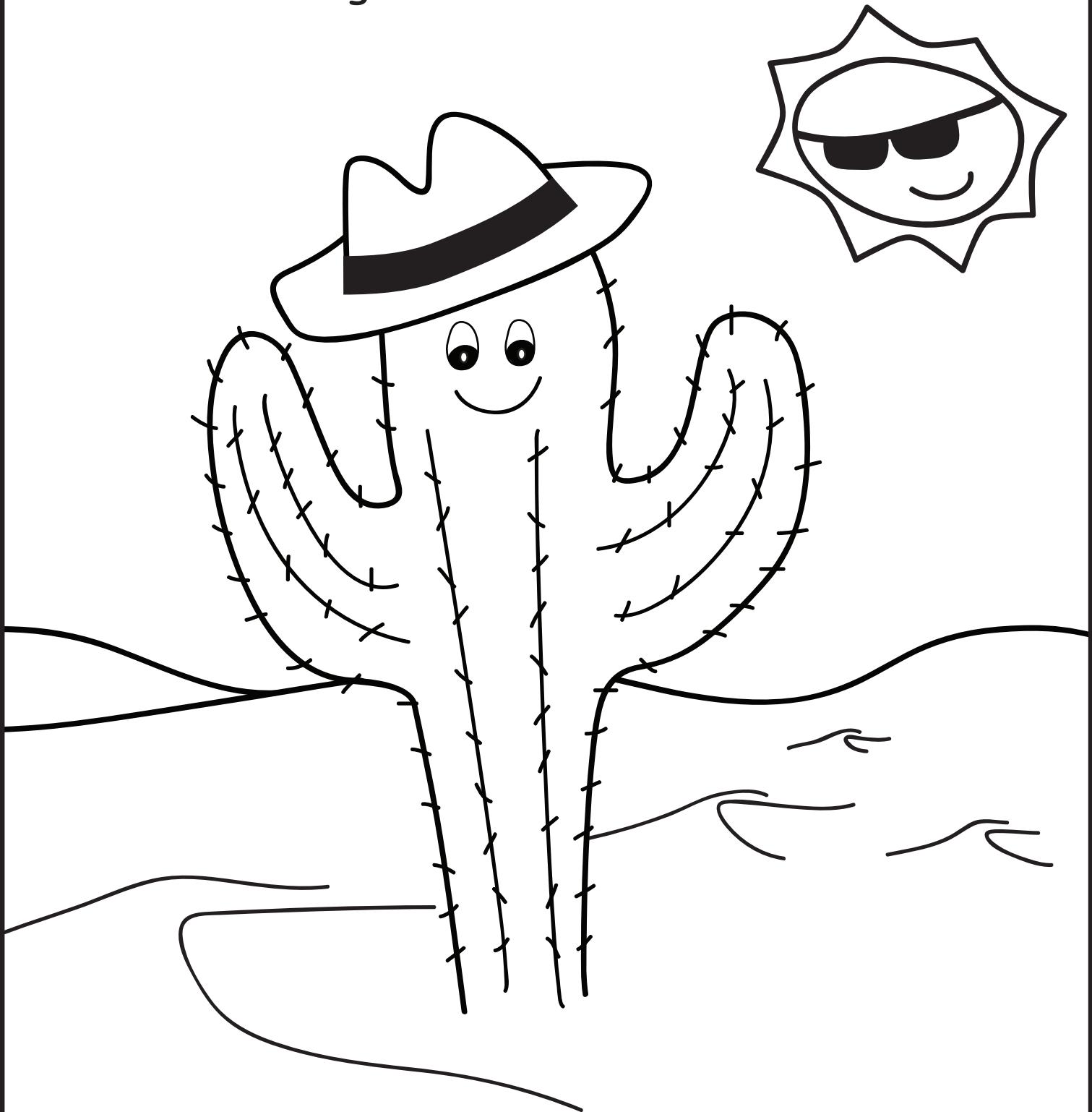


"Salve! Francisca Felix sum.
Habito in locis umbrosis, sub arboribus."

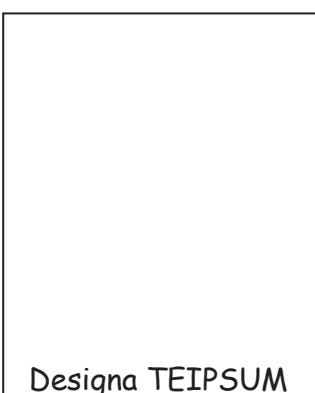
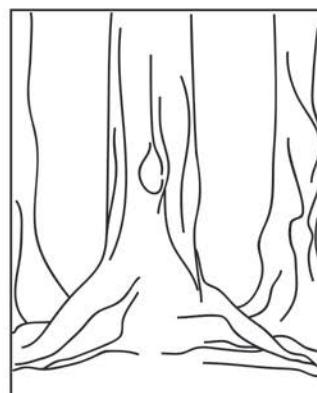
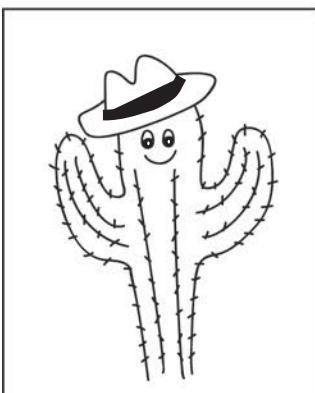
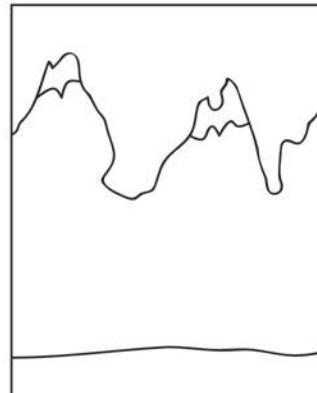
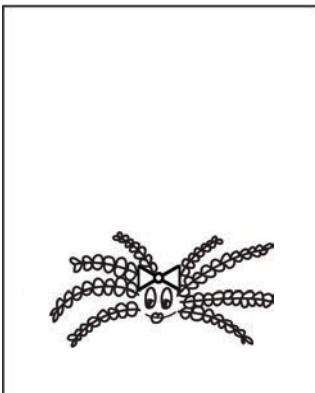
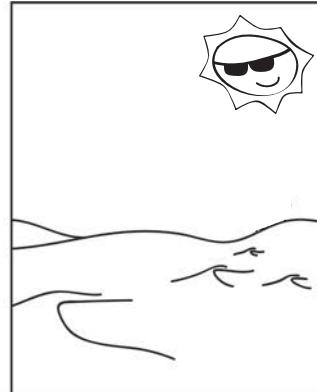
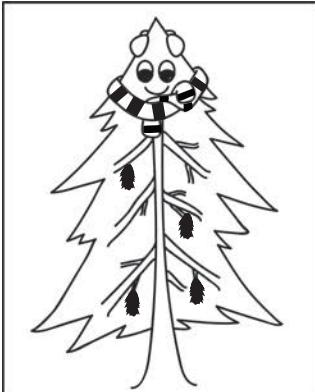




"Salve! Carolus Cactus sum.
Habito in eremo,
regione calida et sicca."



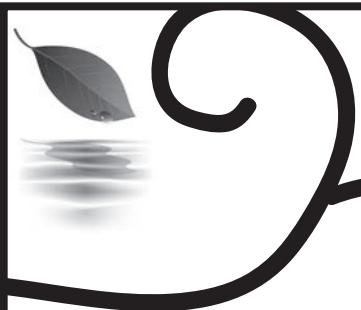
Potesne componere plantam et locum ubi habitat?



Designa TEIPSUM



Designa ubi
TU habitat



"Crescere et ludere effecerunt ut nunc sitiam!
Necesse est mihi bibere aliquantum
aqueae (H_2O) et penitus spirare!"





Cloacae Vegetales

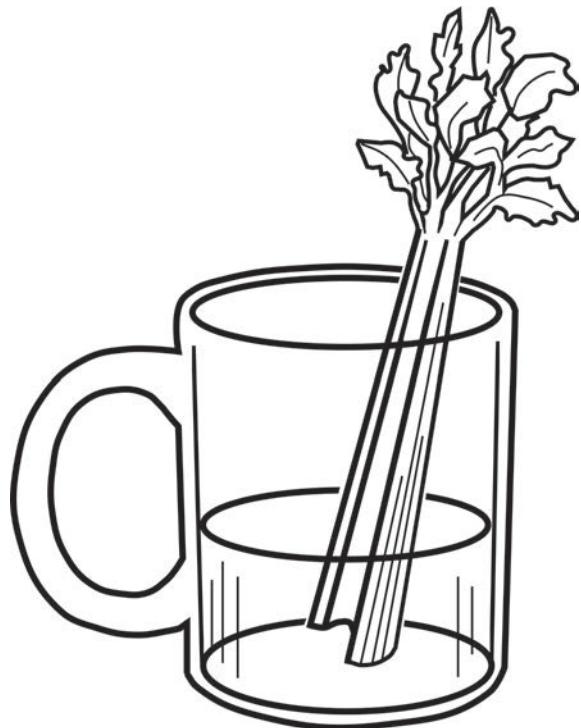


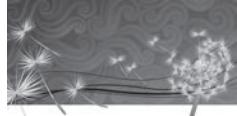
Quibus opus est:

- unum poculum grave et stabile
- unus caulis apii
- tinctura cibi

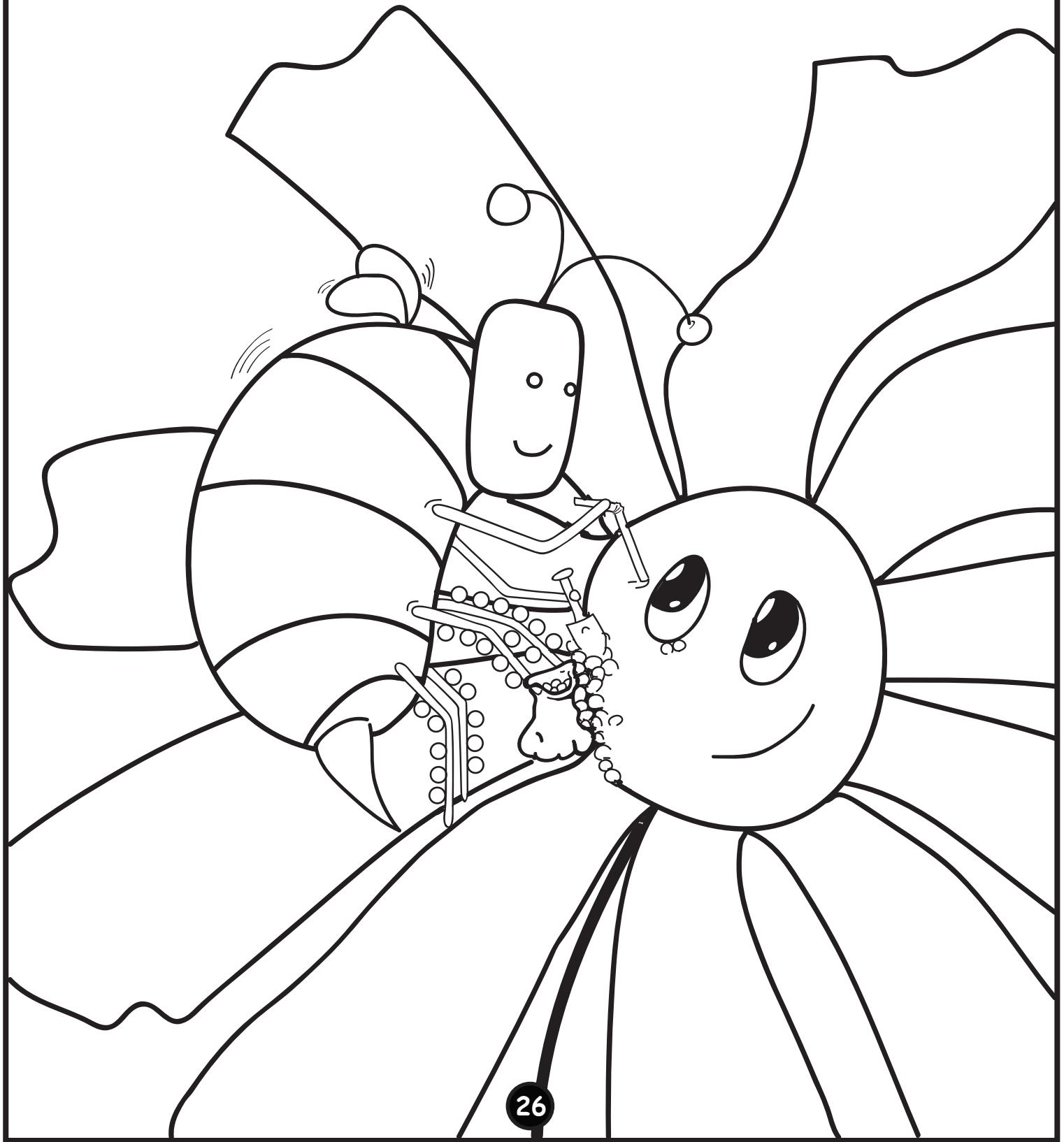
1. Mediatenus poculum infunde aquam.
2. Adde quattuor guttas tincturae cibi, deinde agita.
3. Resece alterutrum finem caulis apii.
4. Impone caulem apii in aquam, parte resecta deorsum versa.
5. Quid apio contingit? Designa vaticinationem tuam.
6. Sex horis praetermissis, inspice et reperi quid contigerit.
7. Quidnam nunc vides? Id designa.
8. Aperi caulem apii. Quid est intus? Id designa.

Fac iterum utendo aliis plantis longis cum caulis.
Quid similiter contingit? Quid dissimiliter?

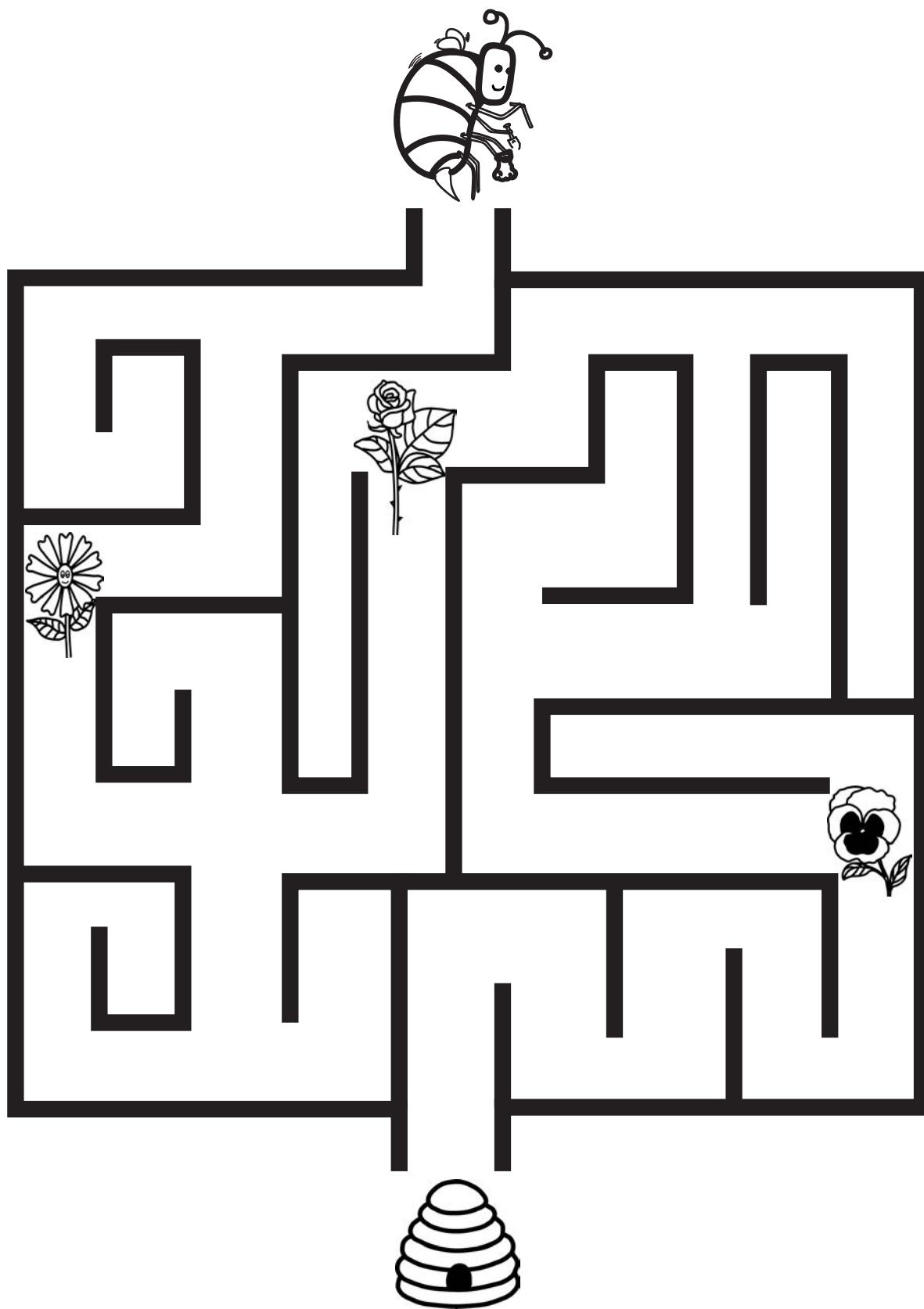
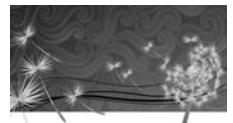


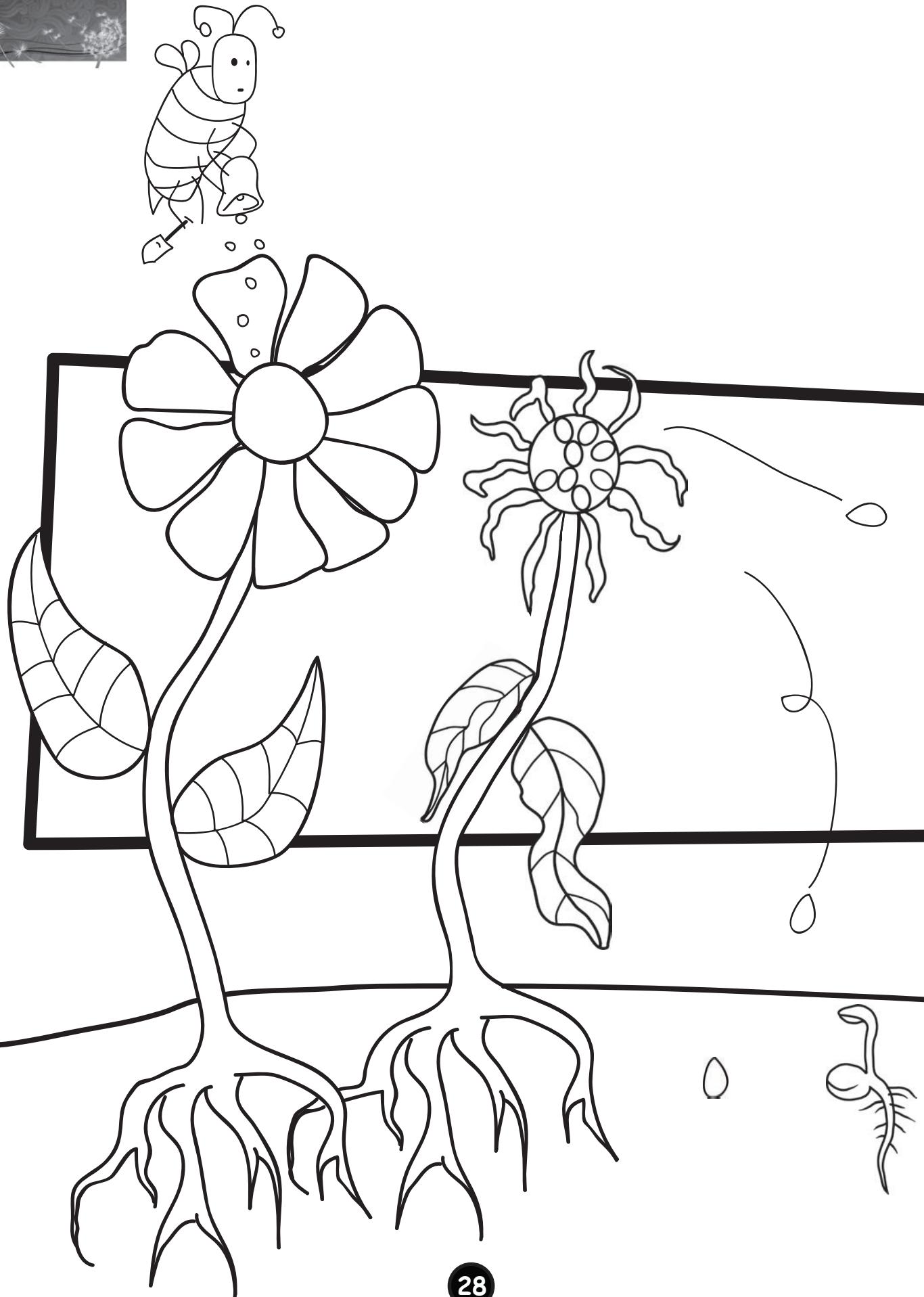


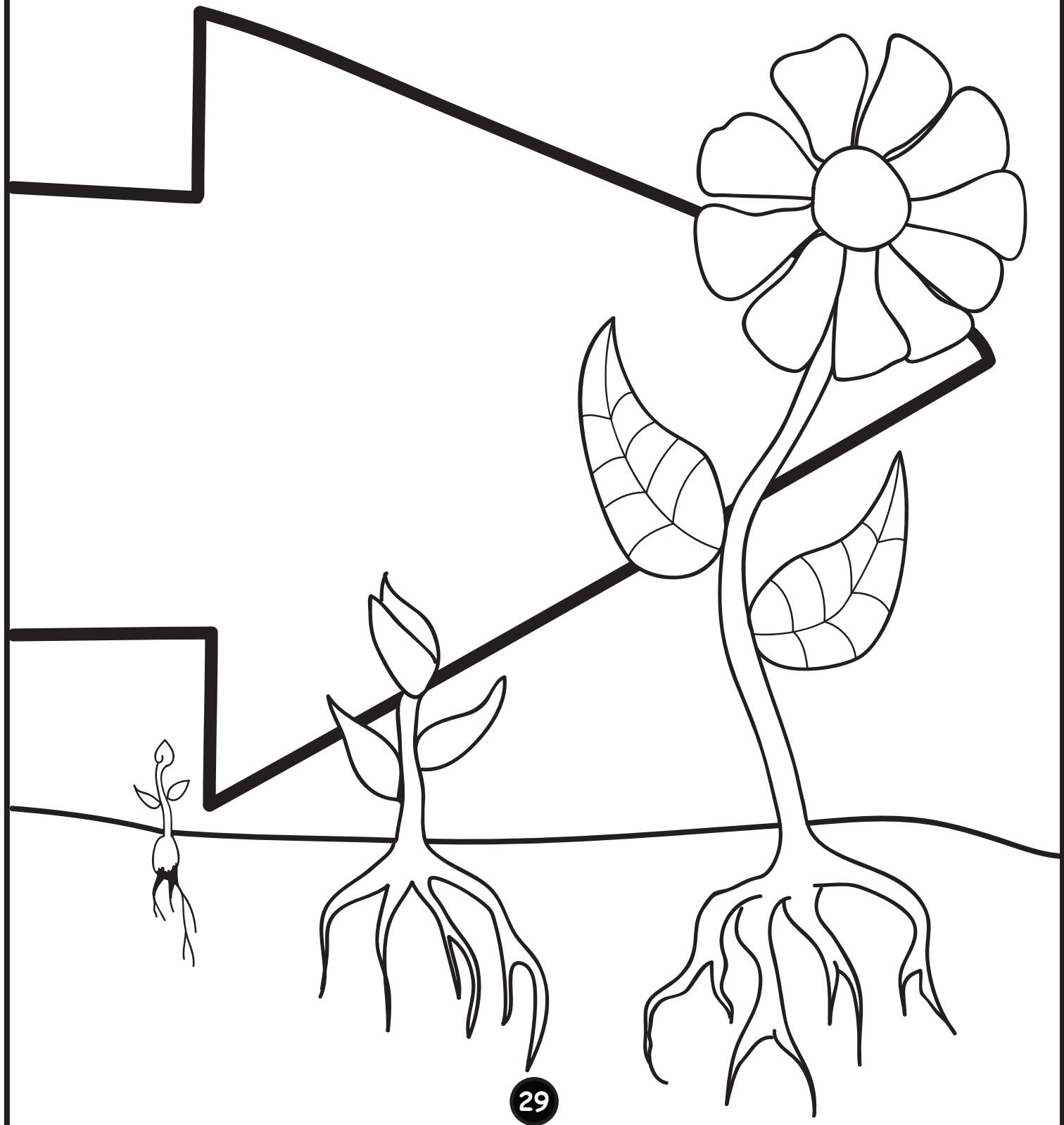
"Amica mea, nomine Appia Apes, auxilio mihi
est in polline spargendo. Ea strenue laborat!
Mihi placet dulce nectar partiri cum Appia."



Accipiens pollen in itinere,
duc Appiam Apem ad apiarium!







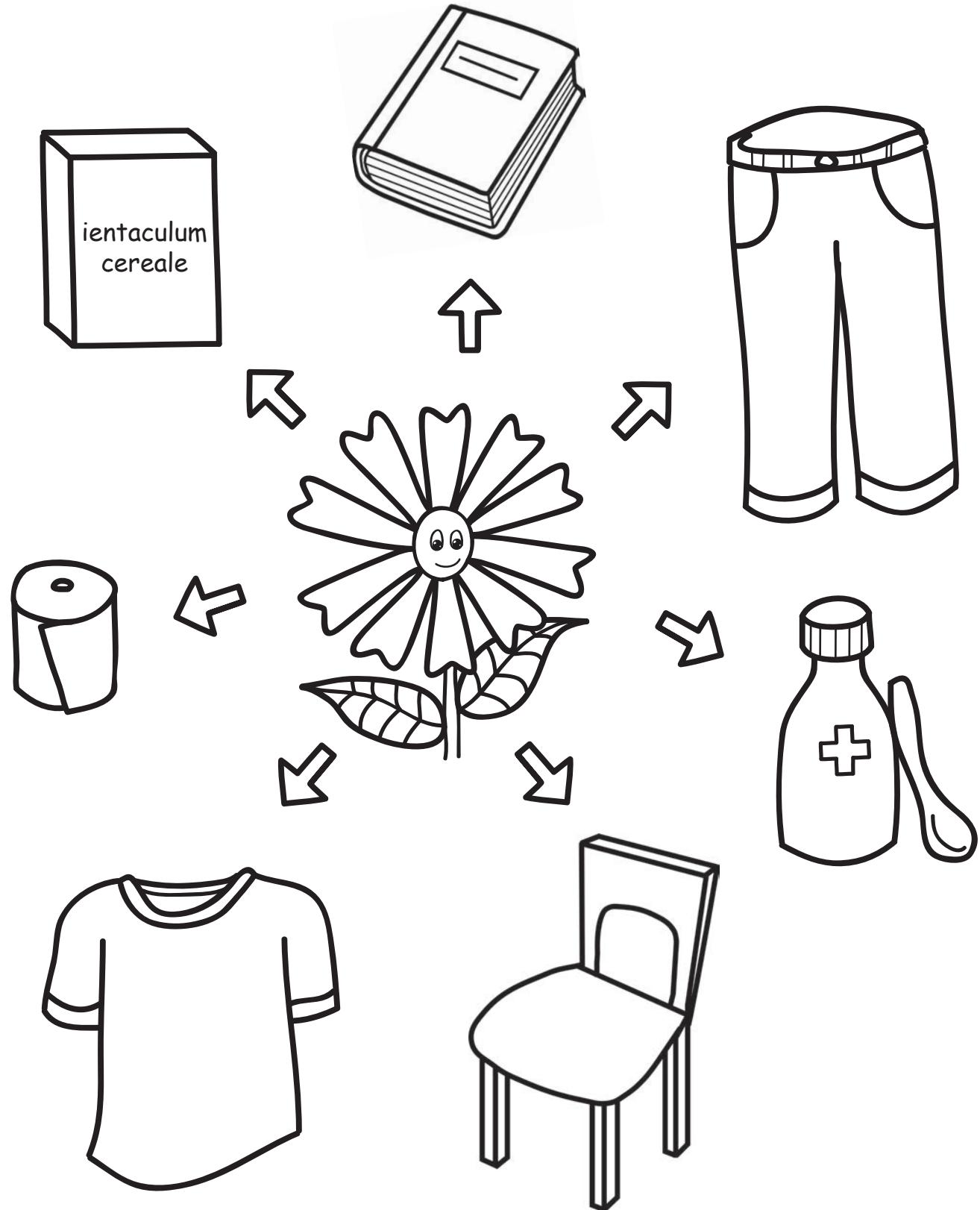


Autumnalia Folia

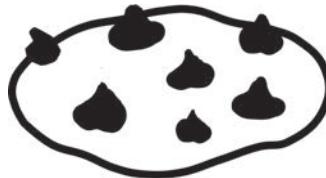
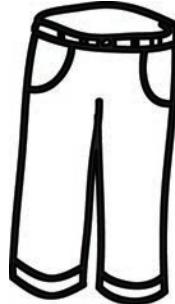
Autumno incepto, folia multarum arborum
chlorophyllo viridi uti desinunt. Viriditas pallescit.
Tinge folia autumnalibus coloribus.



Res multiplices ex plantis fiunt.



Nota circulo ea quae fiunt ex plantis.



Exercitatio de Plantis Depingendis

Manus Adiutrices



Opus est subsequentibus:

- Vegetales, fructus, flores, condimenta variorum colorum, exempli gratia, vaccinia (recentia congelatiave), carotae, coffea (subitaria bene fungitur), sinapi compositum, holera (sicut lactucae, spinacia), condimentum Indicum mixtum, et alia ad placitum.
- pyxides
- peniculi sive turundae byssinae ad pingendum
- aqua
- si placet: sucus citrei et nitrum ad coquendum

Praecepta:

Ad varias pyxides adde perparvam quantitatem plantarum molitarum vel liquatarum, tunc adde etiam guttulam aquae. Misce haec, donec liquor crassus factus erit, quo pingere possis. Nonnullas plantas (in quibus sunt vaccinia, carotae, capsica rubra, et lactucae aut spinacia) vel concidere vel molere vel minutatim contundere necesse erit, aqua perparce addita. Quo facto, liquor deliquatur per idem filtrum papyricum quam coffea. Lactucae colorem venustum et viridem facere poterunt, si folium viridans super locum colorandum posueris et nummo (exempli gratia, asse) folium affricaveris. Viriditas chartae transferetur. Vaccinia, sicut et multi alii fructus, vegetales, floresque qui colorem purpureum habent, in dilutis acidis vel in contrariis mutare colorem possunt. Si suco vaccinii modicum aceti addideris, fiet roseo. Ubi suco vaccinii nitrum aqua mixtum addideris, sucus vaccinii in colorem venustum purpureumque mutabitur. Haec diluta potes operari ad tinguenda textilia, fila, et ova elixa.



Exercitationes Additiciae!

Pascere Holera!



Opus est his:

- I sarcinula seminum fabarum
- II pocula in quibus serere possis
- harena
- aqua
- fimus

Macera sex semina, plus minusve, totam noctem. Collige duo pocula, quae harena umida impleas. Impone tria semina paululum sub superficiem harenæ in utrumque poculum. Haec pocula dispone prope fenestram et cotidie inspice. Cave ne siccentur! Plantis auctis, ad unum poculum adde fimum. Fac ut sedulo pareas praexceptis de fimo addendo. Noli imponere fimum in alterum poculum. Tribus quattuorve septimanis praeteritis, tolle plantas ex harena, et designa eas infra. Quomodo crescit uterque?

Plantae fimo laetificatae:

Plantae nullo fimo laetificatae:



Exercitationes Additiciae!

Quomodo Plantae Novas Plantas Creant!

Manus Adiutrices



Opus est his:

- phaseoli lunati, helianthi semina, cucurbitae semina
- aqua
- pocula
- solum

Macera phaseolos unam horam, plus minusve, in aqua. Parente iuvante, diffinde unum phaseolum in duas partes. Observa parvam virgam intus, et inveni parva folia radicesque. Macera totam noctem in aqua aut sex aut octo semina phaseolorum (vel semina aliarum plantarum). Sere haec in pocula, perfunde solum aqua, et pone pocula prope fenestram. Specta tuas plantas crescentes in dies!

Possis autem excidere summitatem carotae, quam in patinam aquae plenam imponas. Cave ne siccatur, et specta illam sine semine crescentem!



Quo Crescere Oportet?

Opus est his:

- semina phaseoli lunati vel cuiuslibet favae
- parva olla vel pocula apta ad semina serenda
- solum
- aqua

Macera sex octo semina totam noctem. Duo parva olla aut pocula collecta imple solo umido. Impone in utrumque poculum tria vel quattuor semina vix sub superficie soli. Pone pocula prope fenestram et observa ea cotidie. Cave ne siccentur. Plantis usque ad quinque vel sex uncias cretis, caute inverte in latus unum ex poculis. Quid, tua sententia, deinde accidet? Septem dies observa quid accidat. Decem diebus, plus minusve, praeteritis, excipe plantas ex utraque olla et ablue solum. Quid factum est singulis plantis? Has plantas impone in chartas, et designa et colora quamque in proxima pagina. Scisne qua ex causa plantae aliter cretae sint? Repete experimentum, altero poculo in tenebris posito, altero in luce. Coniecta quid plantis in tenebris crescentibus eveniat? Decem diebus, plus minusve, praeteritis, extrahe plantas in tenebris crescentes. Quid interest inter plantas in tenebris cretas et illas in luce cretas?

Hic plantas tuas designa et colora.

Magistris, Parentibus, Docentibus:
Hic liber colorandus aut exercitationum
editus est adiuvante
Societate Biologorum Plantarum Americana
ut discipuli etiam novissimi
in Societatis visionem inducantur, scilicet,
ut omnes momentum, utilitatem,
pulchritudinemque plantarum in vitis
cotidianis nostris videant.

Hic liber tractat de Duodecim Institutis
Plantarum Biologiae
ab ASPB Opera Educandi creatis
(vide retro)

ita ut lectores iuniores, vel etiam nondum
legentes, intelligere et cognoscere possint.
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Duodecim Instituta Plantarum Biologiae



1. Plantae iisdem vivendi processibus et biochemia utuntur quibus animalia microbiaque. Plantae autem unice non solum rebus chemicis sed etiam vi solis ali et crescere possunt. Hic processus, nomine photosynthesis, orbi terrarum copiam cibi visque praebet.



2. Plantis, ut crescant, quaedam elementa inorganica requiruntur, et eaedem plantae magni momenti sunt in his nutrientibus per omnes organismos dissipandis.



3. Plantae terrestres evolvuntur ex atavis marinis, algae similibus, et plantae evolutionem vitae iuverunt, exempli gratia, quia aeri oxygenium ozoniumque addiderunt.



4. Plantae florescentes propagatione sexuali utuntur, id quod efficit ut semen producatur. Propagatio quoque sine sexu fieri potest.



5. Plantae, sicut animalia et nonnulla microbia, spirant et vi utuntur ut crescant procreentque.



6. Muri cellulares plantas sustinent, atque fibram et materiam aedificandi hominibus, insectis, avibus, creaturisque aliis multis praebent.



7. Plantae differunt inter se magnitudine formaque: aliae habent unam cellam, aliae sunt arbores ingentissimae.



8. Plantae in primis dant et fibram, et medicamenta, et alia innumerabilia quae in usu cotidiano habemus.



9. Plantae, sicut et animalia, obnoxiae damno mortique sunt propter contagiones ex microbiis ortas. Plantae singularibus modis se contra pestes et pestilentias defendunt.



10. Aqua molecula principalis est in cellis et membris plantarum. Aqua non solum in compagibus, progressione, et accretione plantarum magni momenti est, sed etiam fieri potest ut ad internam molecularum organicarum atque salum circulationem proficiat.



11. Accretio et progressio plantarum reguntur ab hormonis, et possunt affici signis externis, exempli gratia, luce, gravitate, tactu, aut pressuris ambientibus.



12. Plantae vivunt in conditionibus ambientibus longe diversis, ad quae se accommodant. Plantae habitationes varias avibus, insectis benignis, et aliis animalibus in oecosystematibus praebent.

Quaeso ut reddas ad novos usus hunc
librum ex plantis factum.