

# English for Plant Biologists

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INVESTICE DO ROZVOJE VZDĚLÁVÁNÍ

Tato prezentace je spolufinancována  
Evropským sociálním fondem  
a státním rozpočtem České republiky

# Translate, please

Plant ecophysiology is an experimental science that seeks to describe the physiological mechanisms **underlying** ecological observations. In other words, ecophysio**logists**, or physiological ecologists, **address** ecological questions about the controls over the growth, reproduction, survival, abundance, and geographical distribution of plants, as these processes are affected by interactions between plants with their physical, chemical, and biotic environment.

# Scanning electron microscopy

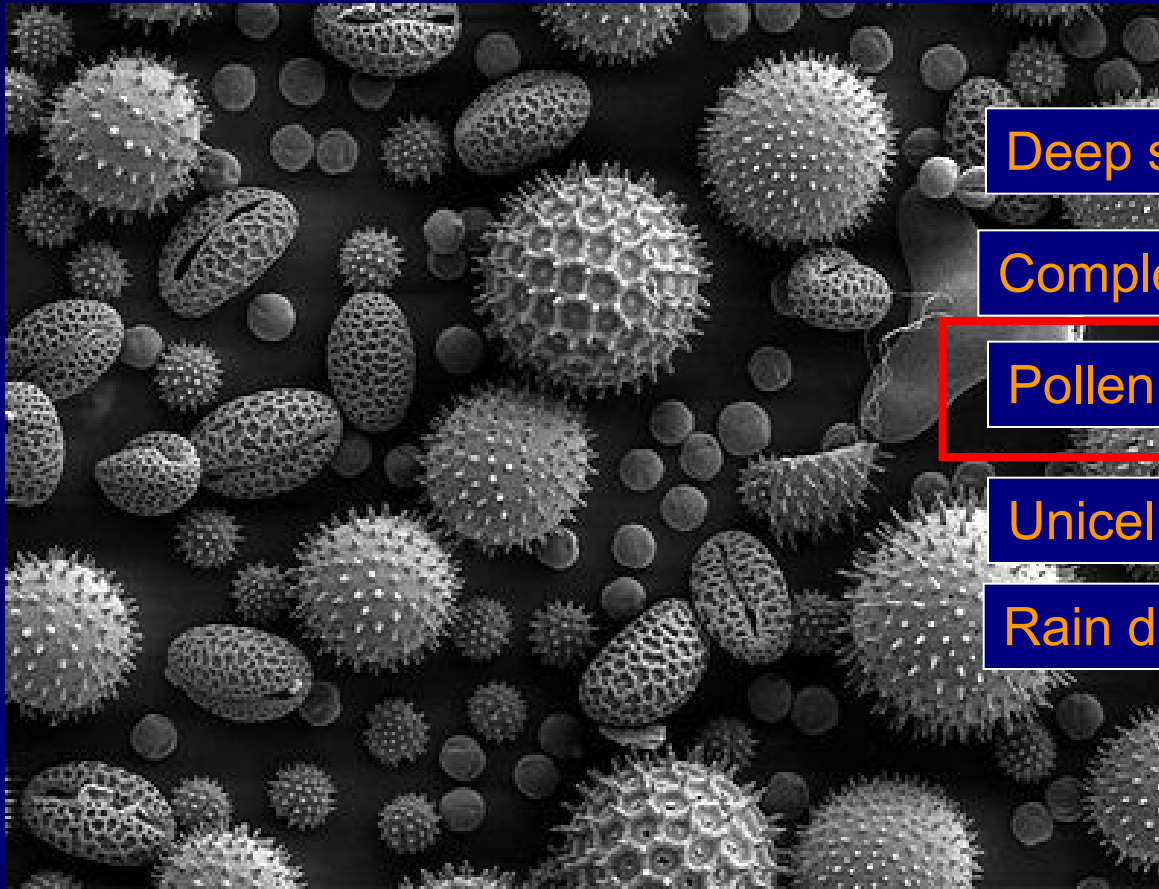
<http://www.medtropolis.com/VBody.asp>



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# What are the below objects ?



Deep sea invertebrates

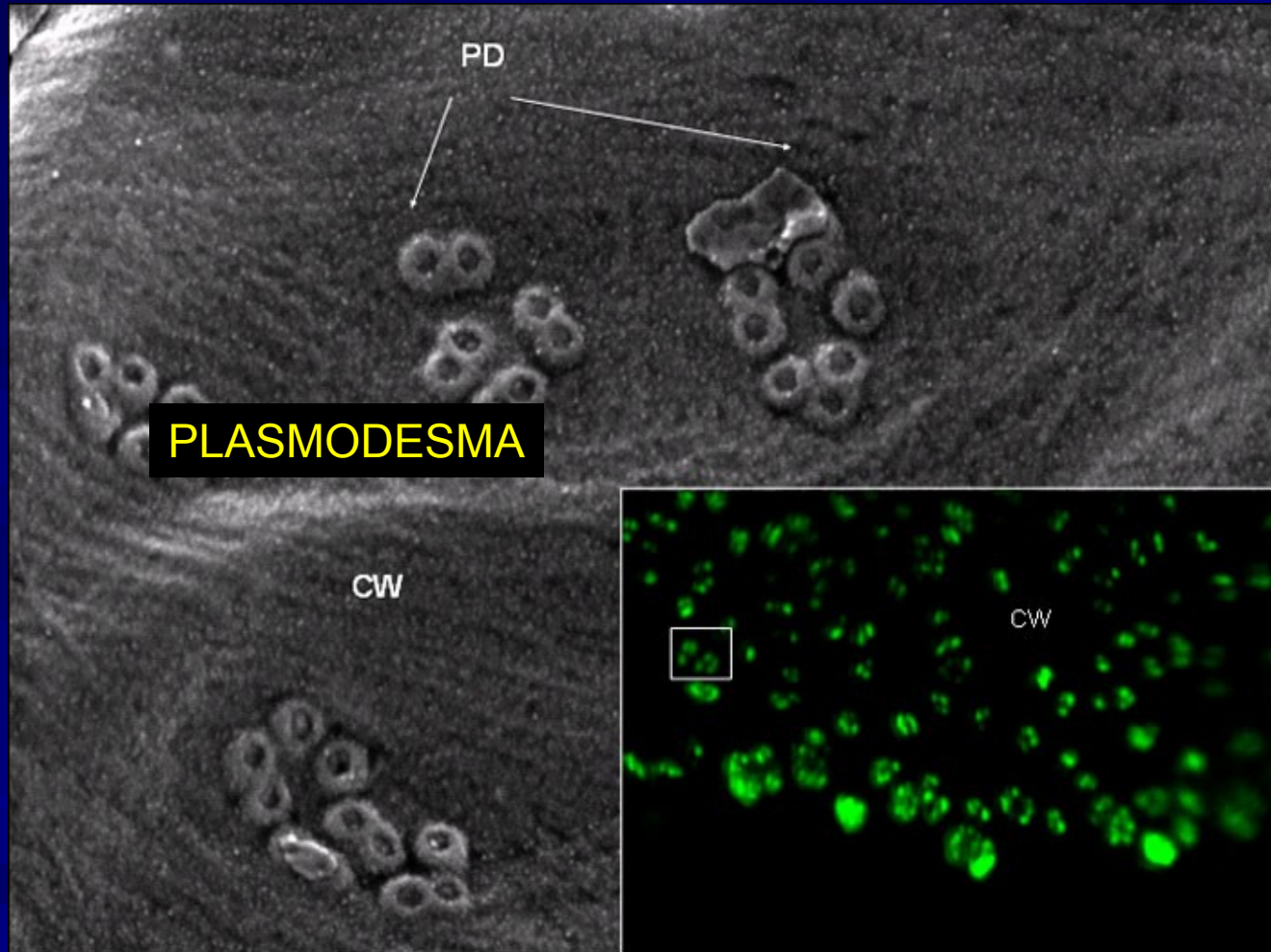
Complex trichomes

Pollen grains

Unicellular algae

Rain droplets

# What are the clustered objects ?

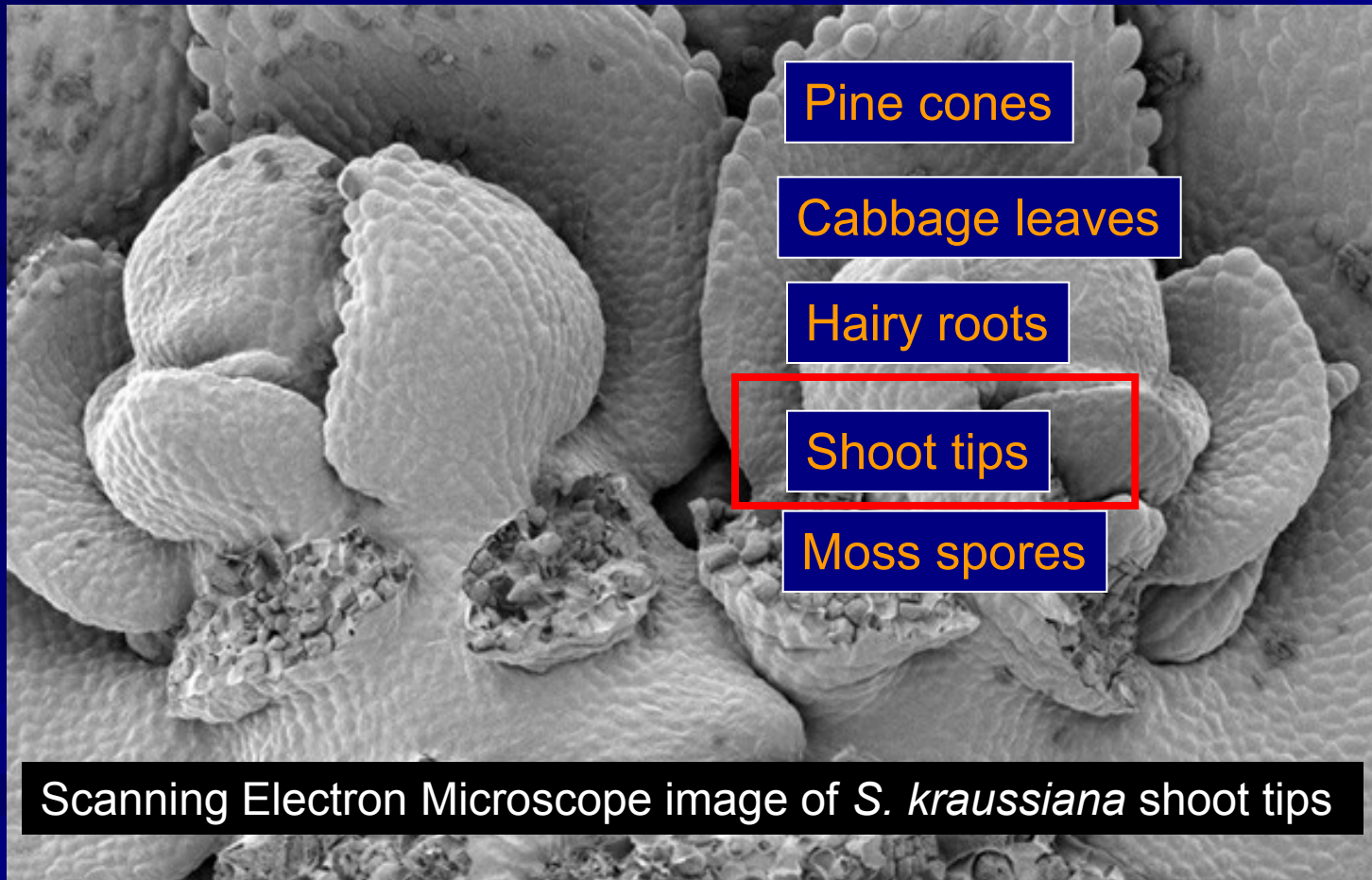


■ CW = cell wall

Source of photo: <http://oparka.bio.ed.ac.uk/>

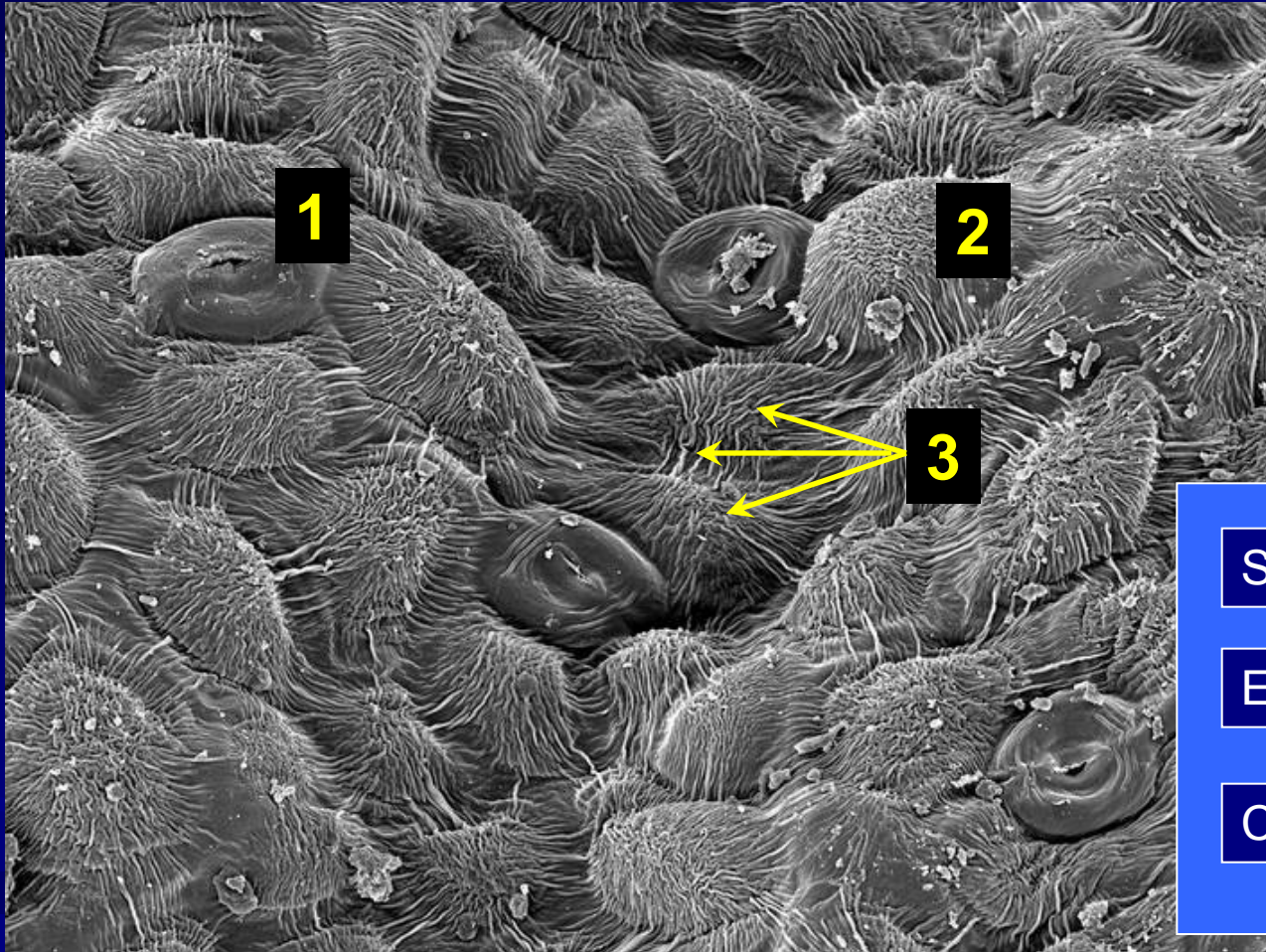
# What about this?

## What are you looking at ?



Scanning Electron Microscope image of *S. kraussiana* shoot tips

Please make your guess  
what is indicated by the numbers.

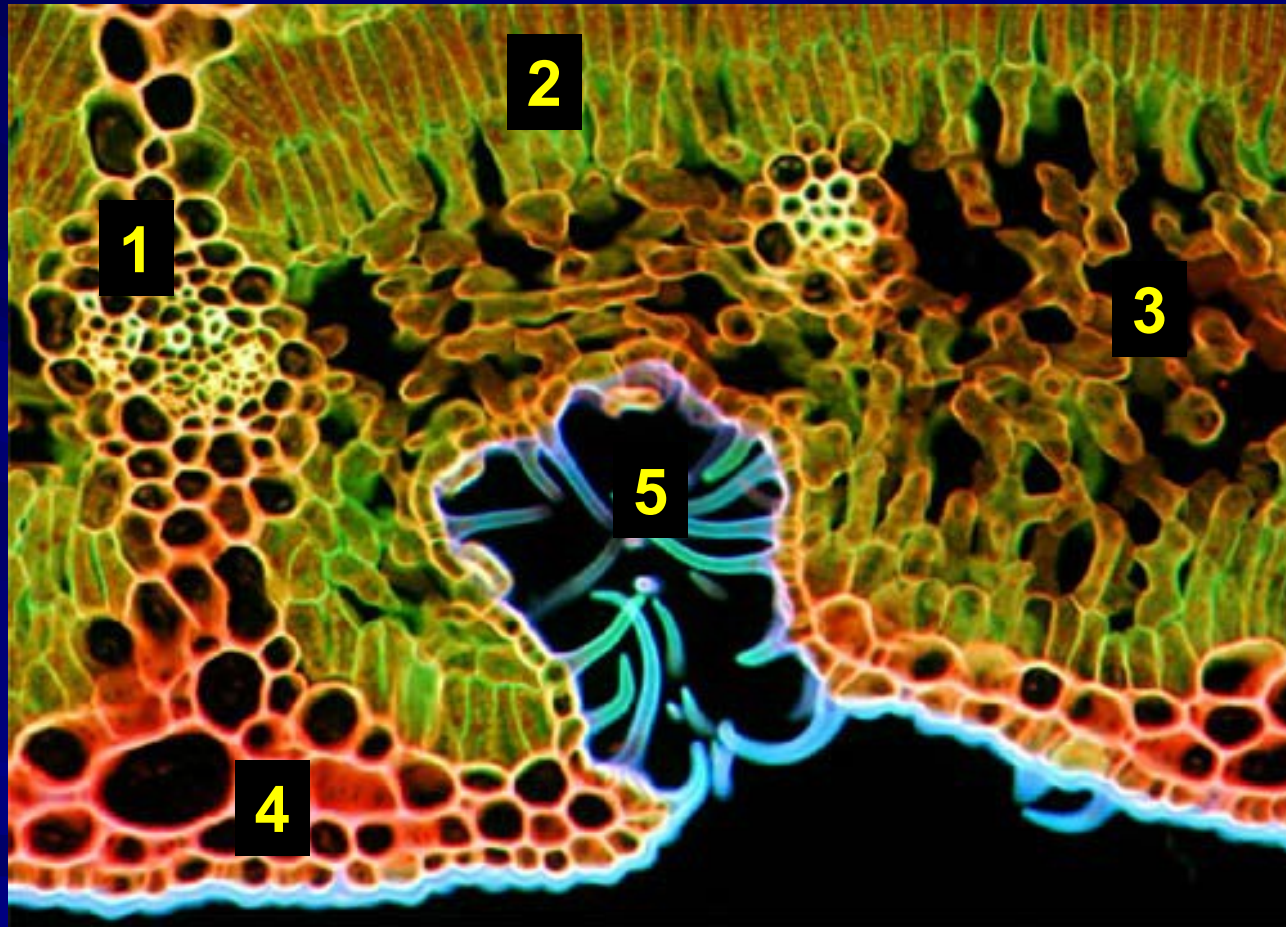


Stomatal cells

Epidermal cell

Cuticular wax

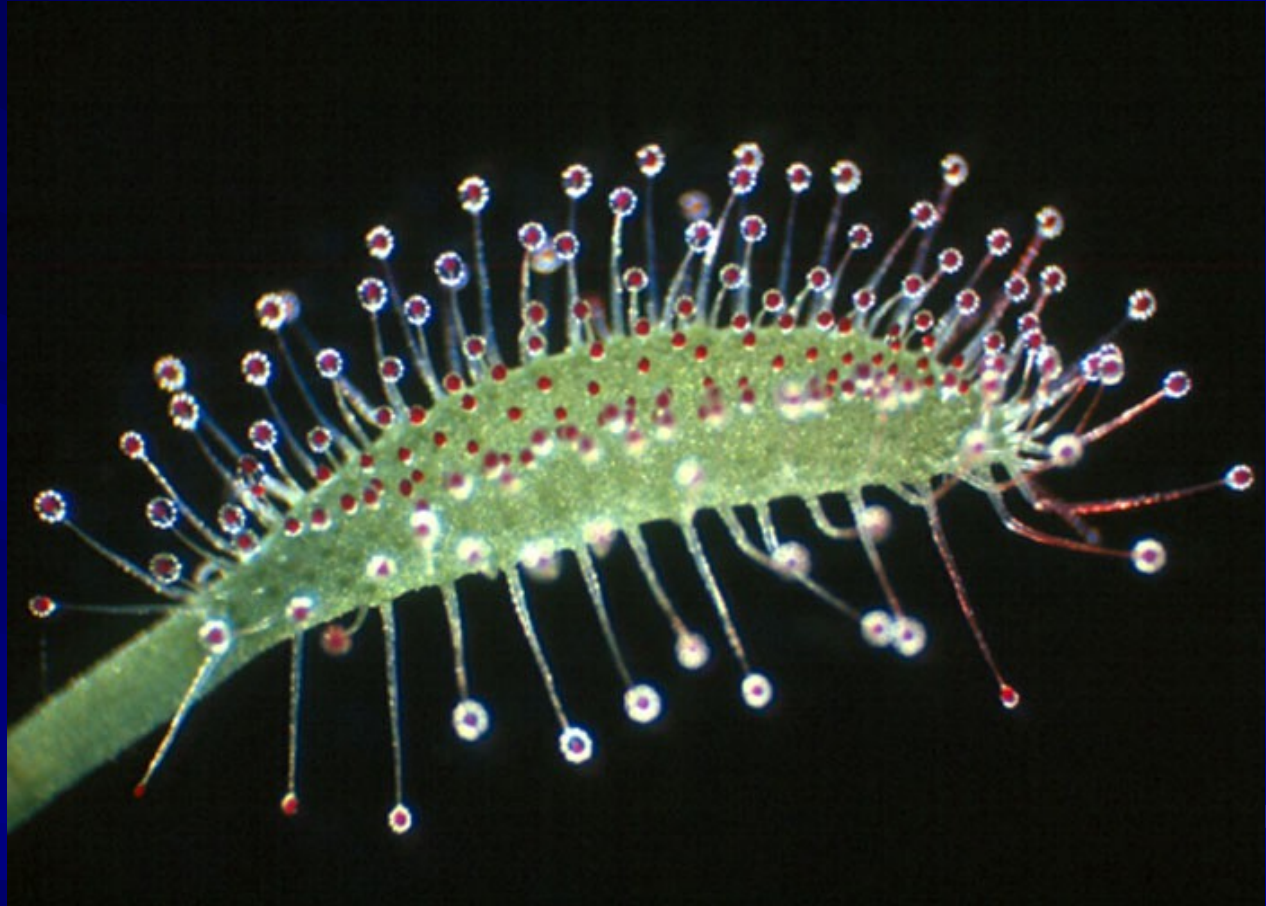
Please tell me your opinion what relates to the numbers



- Oleander, *Nerium oleander*, is an ornamental evergreen plant
- Source of photo: <http://www.microscopyu.com/staticgallery/dxm1200/oleanderleaf.html>



Please describe what is the the leaf for.



■ Source of photo: <http://www.microscopyu.com>

This is something common.  
Do you know what is this?



The only one of the following words fits



Deconvulation

Demolition

Desertification

Denaturation

The only one of the following words fits



Restriction

Recuperation

Reforestation

Recondition

Describe what you see. What is your first impression?



Source of photos: <http://www.flickr.com/photos/luisferreira/3128968702/>  
<http://www.msnbc.msn.com/id/32493521/>

# What do they harvest ?



- A peat is harvested from the bogs,



Please fill in a proper form of the word:

agree

I ..... him on that point.

I wish she would ..... my proposal. .

agree with,                      agree to

Phrasal verbs: source of exercise: [http://www.englisch-hilfen.de/grammar/phrasal\\_verbs.htm](http://www.englisch-hilfen.de/grammar/phrasal_verbs.htm)



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Please fill in a proper form of the word: **get**

■ When will you .....

■ I tried calling you, but I couldn't .....

■ Today I ..... at 10 am

**get back,**

**get through**

**got up**

Phrasal verbs: source of exercise: [http://www.englisch-hilfen.de/grammar/phrasal\\_verbs.htm](http://www.englisch-hilfen.de/grammar/phrasal_verbs.htm)



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Please fill in a proper form of the word: **give**

■ He ..... his car ..... to his brother

■ Why does she always ..... her brother?

■ Are you sure you want to ..... your career?

**gave ... away,                      give to                      give up**

Phrasal verbs: source of exercise: [http://www.englisch-hilfen.de/grammar/phrasal\\_verbs.htm](http://www.englisch-hilfen.de/grammar/phrasal_verbs.htm)



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# Please translate

- Brad Ripley is a plant ecophysiologicalist, specialising in the ecophysiology and ecology of: Coastal sand-dune plants, alien vegetation, and indigenous and crop plants as effected by environmental and biotic factors.

Please learn the two words if they are unknown for you.

Source of the text: <http://www.ru.ac.za/Botany/Staff>



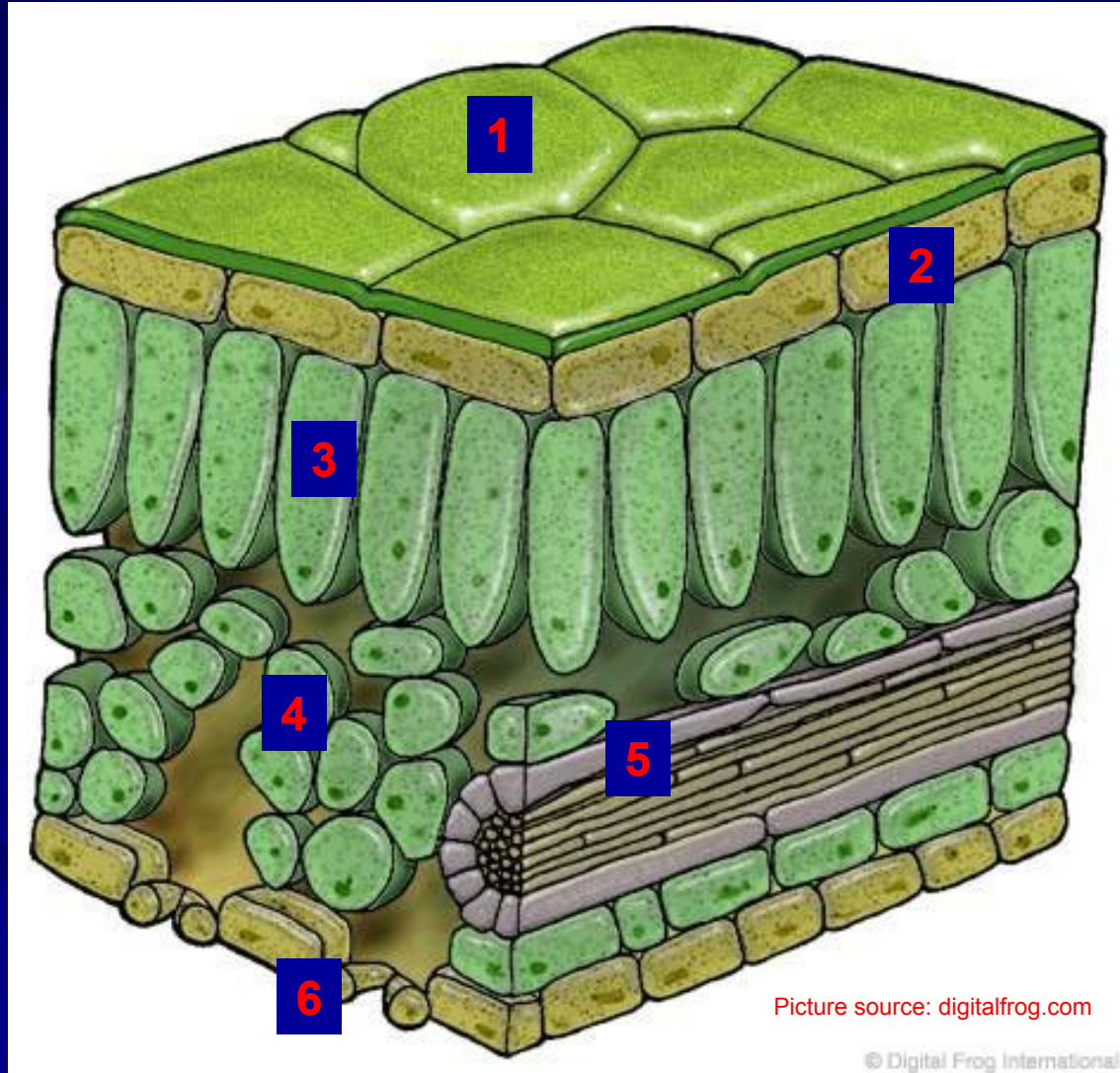
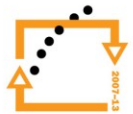
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# It is a good idea to check your knowledge of plant anatomy, isn't it?



EVROPSKÁ UNIE



Picture source: digitalfrog.com

Please read and associate with some plant part

weeding

wedding

willing

wilting

warning

warming

winding

welling

whaling



Please find out to what picture the term is related.

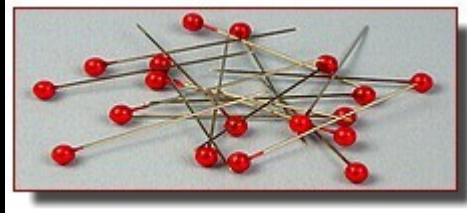
# What is the two-wheel vehicle for?



Do you know how to call the vehicle in English?  
Do you know how to call all the green all around?

Please read and associate with some plant part

primate  
private  
pinhead  
pinnate  
pancake  
panther  
pathfinder  
pimiento



Please find out to what picture the term is related.

res: pin.primate.wisc.edu, <http://www.autotodays.com/2010/09/20/2011-nissan-pathfinder/>, atlanka.net, tastydays.com

There are three topics for conversation,  
please make your choice.

- What compounds are really toxic to plants?
- May plants grow inside stones?
- May pot size limit plant growth?



Ladies and gentlemen,  
thank you for your attention

See you next week.



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