

# **Advanced English for Plant Biologists**

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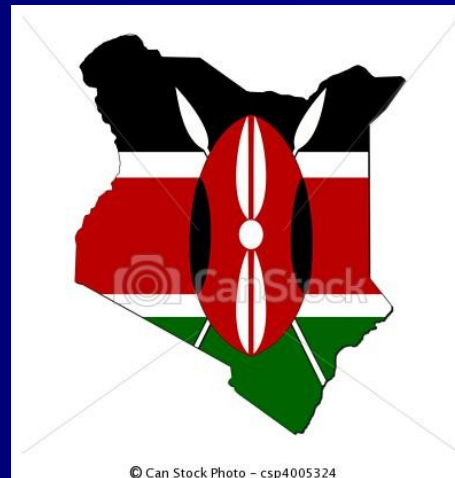
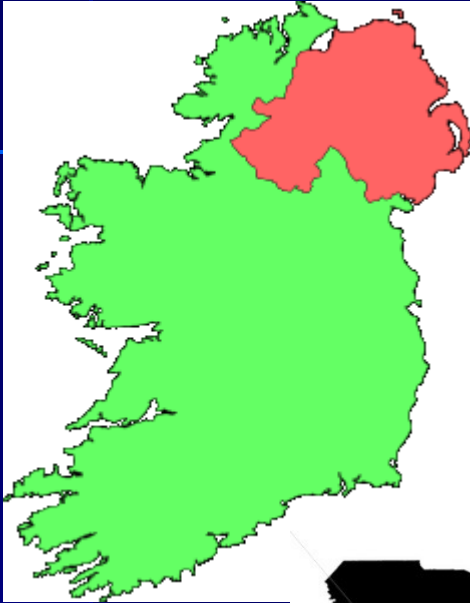
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# What is the country ?



**Banksia coccinea**

# What is the country ?

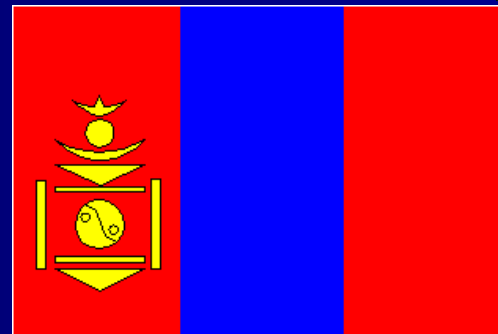


- <http://www.clker.com/clipart-9209.html>, [http://www.123rf.com/photo\\_6110493\\_map-of-norway-isolated-on-white-background.html](http://www.123rf.com/photo_6110493_map-of-norway-isolated-on-white-background.html),  
<http://www.clker.com/clipart-map-of-venezuela.html>, <http://www.shutterstock.com/pic-54445213/stock-vector-map-in-colors-of-venezuela.html>,  
<http://www.shutterstock.com/pic-7548577/stock-photo-detailed-map-of-kenya-black-and-white-mercator-projection.html>,  
<http://www.canstockphoto.com/kenya-map-flag-4005324.html>

# What is the country ?



Belize



- [www.mapsofworld.com](http://www.mapsofworld.com) , <http://www.britannica.com/EBchecked/topic/1355562/Ukraine-flag-of>, [www.readux.net](http://www.readux.net),  
[http://www.33ff.com/flags/worldflags/Ireland\\_flag.html](http://www.33ff.com/flags/worldflags/Ireland_flag.html), <http://belizephonecard.com/Belize/belizeflag.htm>, <http://www.tundria.com/WebDirs/museums-nat.shtml>

# **Vocabulary related to plants**

# What is the plant name ?





**Describe as many items as possible.**

**Does this fit ?**

- PE foil
- hydroponics
- mulch
- substrate

■ Source stockphotos.cz

# What do you think you are looking at?

- an insect
- a butterfly
- an arthropod
- an octopus
- a flower
- a curtain



The answer is coming ...



# Forest canopy

Fish-eye photography

Hemispherical photo

Litter decomposition rate

Evapotranspiration

Man-made ecosystem

Leaf area index

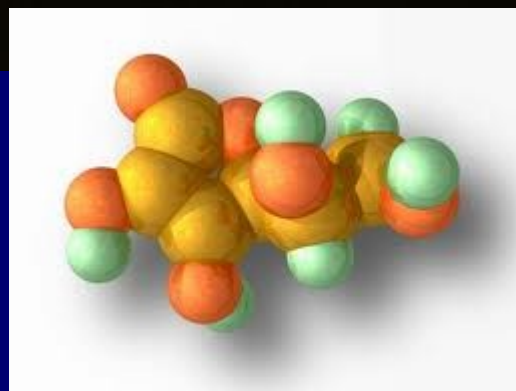
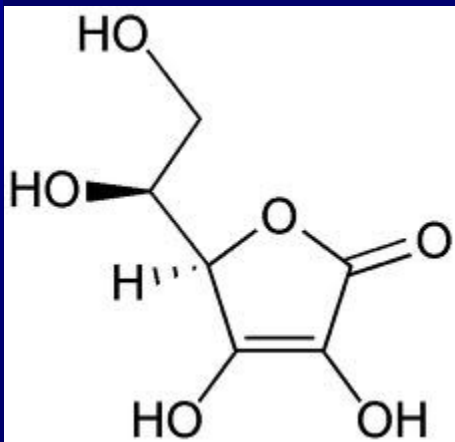
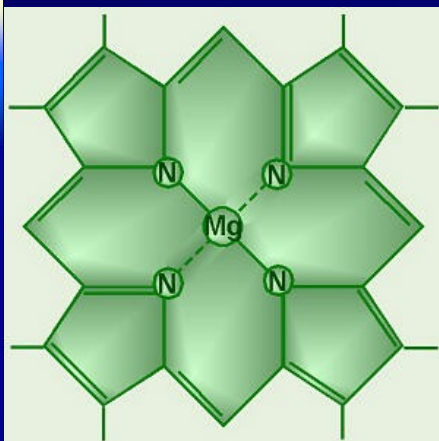
Stem projection area



- <http://www.whrc.org/ecosystem/boreal/fieldmeasurements.html>

# Plant Biochemistry

# This is a typical part of molecule of ...



**AA**



# Plant enzymes

superoxide dismutase,  
catalase,  
ascorbate peroxidase,  
glutathione reductase

Are they:

Carboxylation enzymes ?

Proteolytic enzymes ?

Antioxidative enzymes ?

**Please read and pronounce  
names of the following  
enzymes carefully.**

**They are coming...**

**PEPCO**

**RUBISCO**

# Finally, some useful abbreviations

■ ABA

■ IAA

■ GA

■ ABBA

■ JA

■ MEJA

■ Ala

■ Asp

■ Leu

■ Gly

# What is the plant species ?



[http://www.123rf.com/photo\\_7803360\\_tea-garden-in-mountain.html](http://www.123rf.com/photo_7803360_tea-garden-in-mountain.html),

# Tea picking



- © : <http://www.michaelfreemanphoto.com/media/48ce2be2-26f5-11e0-bd6a-657c5e3d9de8-addabarie-tea-estate>



**This is a plant species  
associated with tea.**



<http://www.herbalremedice.com/herbal-treatment/herbal-remedies-for-sore-eyes.html>  
<http://www.allherbaltea.com/jasmine/>  
<http://mgonline.com/articles/jasmine.aspx>

# Some facts about jasmine

Ever had jasmine tea? The Jasmine leaf is a dark olive color with a hint of a floral scent from jasmine. The floral scent is dry with a medium body. It is recommended that you flavor Jasmine tea with a little bit of sweetener.

There are about 200 species of jasmine shrubs. The flowers are white or yellow. They have a sweet scent. The scent has been said, to enhance all of your senses so that you have only pleasant thoughts.

Jasmine is thought to have healing qualities for depression and it is thought to have relaxing qualities and to help with dry skin.

# What is your first impression?

## Where is she from?



England,  
of course.

# Where is she from?



**What is a Japan expression for „drining tea“**

# Have you ever had an Earl Grey tea ?



# What is Bergamot oil ?

Bergamot Oil are also know as Bergamot Orange. Bergamot name come from the city Bergamo in Lombardy, Italy, where the oil was invent first. This tree are a member of Rutaceae family. **Citrus bergamia** (Botanical Name) are widely cultivated in Italy, at present also started in Southern France.

Its tree are high approximately three to four meter having star-shaped flowers and smooth leaves, fruit colore are green to yellow.



# Little bits of grammar

# Just fill in a proper term. 1

A ..... is a plant. It is yellow and beautiful.

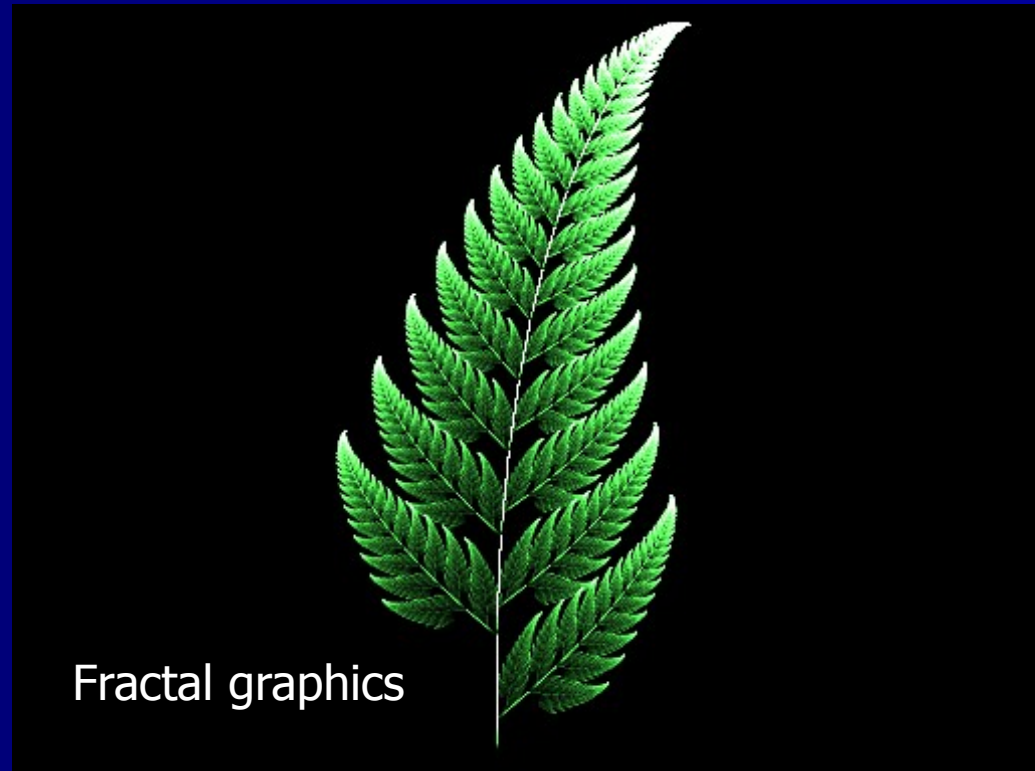
- (a) sunflower
- (b) sea cucumber**
- (c) goldfish
- (d) butterfly



# Just fill in a proper term. 2

A ..... is a plant. It grows best in damp, rainforest areas and doesn't like too much direct sunlight.

- (a) corn
- (b) horn
- (c) fur
- (d) fern



# Just fill in a proper term. 3

..... is a plant and is often used in salads.

- (a) lenticel
- (b) lettuce
- (c) lama
- (d) lemming



# Just fill in a proper term. 4

This tree produces a sweet sap that people pour on pancakes and waffles. The tree species is a .....

- (a) Marple
- (b) marble
- (c) maple
- (d) blazer



# Just fill in a proper term. 5

There are many species of lianas in tropical rainforests of the World. Plant ecologists rank them into the group of .....

- (a) gliders
- (b) riders
- (c) clovers
- (d) climbers



# Conversation

- Unexpected turn in local weather.
- Gardening is (is not) my favourite activity.
- Topic according to your choice

**Ladies and gentlemen,  
thank you for your attention**