

The study of plants.

**Botany**

The study of plants.

**Botany**

This word means  
drawings.

**Illustrations**

This word means  
drawings.

**Illustrations**

The day God  
created the  
plants.

**3<sup>rd</sup> Day of Creation**

The day God  
created the  
plants.

**3<sup>rd</sup> Day of Creation**

The oldest living  
things we know of.

**Plants**

The oldest living  
things we know of.

**Plants**

The language many science words come from.

**Latin**

The language many science words come from.

**Latin**

This means that it's not used for communication in everyday life so it doesn't change.

**Dead Language**

This means that it's not used for communication in everyday life so it doesn't change.

**Dead Language**

What people spoke  
Latin?

**Romans**

What people spoke  
Latin?

**Romans**

The study of living  
things.

**Biology**

The study of living  
things.

**Biology**

People who study life.

**Biologists**

People who study life.

**Biologists**

A biologist that studies plants.

**Botanist**

A biologist that studies plants.

**Botanist**

The scientific classification of animals and plants

**Taxonomy**

The scientific classification of animals and plants

**Taxonomy**

The highest taxonomy group which organisms are grouped.

**Kingdom**

The highest taxonomy group which organisms are grouped.

**Kingdom**

The Kingdom plants belong to.

**Plantae (plan' tay)**

The Kingdom plants belong to.

**Plantae (plan' tay)**

There are so many different types of plants, they are broken into smaller groups under the Classification of Kingdom named

**Phylum (fie' lum)**

There are so many different types of plants, they are broken into smaller groups under the Classification of Kingdom named

**Phylum (fie' lum)**

Plural for the word  
Phylum.

**Phyla**

Plural for the word  
Phylum.

**Phyla**

The process of  
placing things into  
groups.

**Classification**

The process of  
placing things into  
groups.

**Classification**



Scientists give two names to each living thing (genus & species).

**Binomial Nomenclature**

Scientists give two names to each living thing (genus & species).

**Binomial Nomenclature**

Plants that have tubes that carry liquid inside the plant.

**Vascular (vask' u luhr)**

Plants that have tubes that carry liquid inside the plant.

**Vascular (vask' u luhr)**

The tubes inside vascular plants that run up the plant carrying water and chemicals.

**Xylem (zy' lum)**

The tubes inside vascular plants that run up the plant carrying water and chemicals.

**Xylem (zy' lum)**

The tubes inside vascular plants that run down the plant carrying sugar and other chemicals.

**Phloem (floh' em)**

The tubes inside vascular plants that run down the plant carrying sugar and other chemicals.

**Phloem (floh' em)**

Plants that have roots, stems and leaves are this. Most plants are this.

**Vascular**

Plants that have roots, stems and leaves are this. Most plants are this.

**Vascular**

These plants move water around by absorbing water and spread it around much like a paper towel does.

**Non-Vascular**

These plants move water around by absorbing water and spread it around much like a paper towel does.

**Non-Vascular**

Types of plants that  
make seeds.

Angiosperms (an' jee oh spurms)  
Gymnosperms (jim' no suprms)

Types of plants that  
make seeds.

Angiosperms (an' jee oh spurms)  
Gymnosperms (jim' no suprms)

Flower making plants  
are put in one giant  
phylum.

**Anthophyta**  
**(an' thoh fie' tuh)**

Flower making plants  
are put in one giant  
phylum.

**Anthophyta**  
**(an' thoh fie' tuh)**

Plants that make  
Flowers.

**Angiosperm**

All angiosperms  
make this before  
they make their  
seeds. Its purpose  
is to make the  
seeds.

**Flowers**

Plants that make  
Flowers.

**Angiosperm**

All angiosperms  
make this before  
they make their  
seeds. Its purpose  
is to make the  
seeds.

**Flowers**

If a seed-making plant is not an angiosperm it is this.

**Gymnosperm**

If a seed-making plant is not an angiosperm it is this.

**Gymnosperm**

Gymnosperms' seeds are this.

**Not covered up**

Gymnosperms' seeds are this.

**Not covered up**

Gymnosperms are divided into 4 phyla. The most common phylum is this.

**Coniferophyta**  
(con ih' fur oh fye')

Gymnosperms are divided into 4 phyla. The most common phylum is this.

**Coniferophyta**  
(con ih' fur oh fye')

Some vascular plants do not make seeds, flowers or cones. They make little balls called spores.

**Sporangia**

Some vascular plants do not make seeds, flowers or cones. They make little balls called spores.

**Sporangia**

Seeds are baby plants, food for the baby plant and a protective coating for the baby plant. Spores are just

**Baby Plant & protective coating**

Seeds are baby plants, food for the baby plant and a protective coating for the baby plant. Spores are just

**Baby Plant & protective coating**

Type of Sporangia.



**Fern**

Type of Sporangia.



**Fern**



Non-vascular plants needs lots of this, but can tolerate long spells without it.

**Water**

Non-vascular plants needs lots of this, but can tolerate long spells without it.

**Water**

Mosses are non-vascular plants. They have their own phylum

**Bryophyta**  
(bry oh fie' tuh)

Mosses are non-vascular plants. They have their own phylum

**Bryophyta**  
(bry oh fie' tuh)

Are all botanists  
biologists?

**Yes**

Are all botanists  
biologists?

**Yes**

Are all biologists  
Botanists?

**No**

Are all biologists  
Botanists?

**No**

What does your  
vascular system  
do?

**Carry Blood**

What does your  
vascular system  
do?

**Carry Blood**

In which phylum  
do botanists put the  
angiosperms?

**Phylum Anthophyta**

In which phylum do  
botanists put the  
angiosperms?

**Phylum Anthophyta**

What is the definition of the Latin word botanicus?

**Plants**

What is the definition of the Latin word botanicus?

**Plants**

The Greek word *bio* means

**Life**

The Greek word *bio* means

**Life**

The Greek word  
*ology* means

**The Study Of**

The Greek word  
*taxis* means

**Order**

The Greek word  
*ology* means

**The Study Of**

The Greek word  
*taxis* means

**Order**

The Greek word  
*nomos* means

**Science**

The Greek word  
*nomos* means

**Science**

The Latin word *bi*  
means

**Two**

The Latin word *bi*  
means

**Two**

The Latin word *nome*  
means

**Name**

The Latin word *nome*  
means

**Name**

The Latin word *clature*  
means

**To Assign**

The Latin word *clature*  
means

**To Assign**

The Latin word  
*vasculum* means

**Small Vessel**

The Latin word  
*vasculum* means

**Small Vessel**

The Greek word  
*antho* means

**Flower**

The Greek word  
*antho* means

**Flower**



The Greek word  
*phyta* means

**Plant**

The Greek word  
*phyta* means

**Plant**

The Latin word *clature*  
means

**To Assign**

The Latin word *clature*  
means

**To Assign**

The Greek word  
*sperm* means

**Seed**

The Greek word  
*sperm* means

**Seed**

The Greek word  
*gymno* means

**Uncovered**

The Greek word  
*gymno* means

**Uncovered**

The Latin word  
*conifer* means

**Cone Bearer**

The Latin word  
*conifer* means

**Cone Bearer**

The Greek word *bryo*  
means

**Moss**

The Greek word *bryo*  
means

**Moss**

The Latin word  
*conifer* means

**Cone Bearer**

The Latin word  
*conifer* means

**Cone Bearer**

The Greek word *bryo*  
means

**Moss**

The Greek word *bryo*  
means

**Moss**

An example of a nonvascular (cellular) plant

**Moss**

An example of a nonvascular (cellular) plant

**Moss**

A vessel that holds seeds.

**Pod**

A vessel that holds seeds.

**Pod**

Is a fern vascular or non vascular?

**Vascular**

Is a fern vascular or non vascular?

**Vascular**

