

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.

3rd Day of Creation

The day God
created the
plants.

3rd 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

