



PLANTAE-KINGDOM

5 DIVISION OF THE PLANTAE - KINGDOM

The realm Plantae is separated into five primary divisions and they are as per the following:

- Thallophyta
- Bryophyta
- Pteridophyta
- Gymnosperms
- Angiosperms

These divisions depend on the accompanying measures:

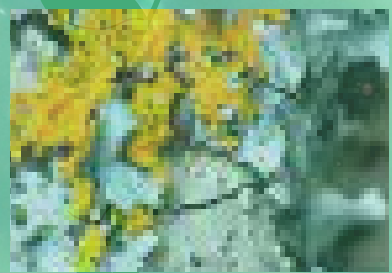
- Differentiated/Undifferentiated plant body
- Presence/nonappearance of vascular tissues
- With/without seeds
- Naked seeds/seeds inside organic products

THALLOPHYTA

Thallophyta is the primary division of the plant realm. Green growth and organisms are the two principle sub-divisions. It likewise incorporates microbes, molds, lichens, and ooze.

Highlights of Thallophyta:

- They have a straightforward body plan with no separation into root, stem and leaves.
- They have unicellular conceptive organs.



BRYOPHYTA

Bryophyta are known as the creatures of land and water of the plant realm. Greeneries, hornworts, and liverworts are the three principle sub-divisions.

Highlights of Bryophyta:

- They don't have roots however have unrefined stems and leaves.
- The roots are supplanted by the rhizoids which goes about as an anchor.

PTERIDOPHYTA

Pteridophyta are the vascular plants that utilization spores for repeating. They are otherwise called cryptogams as they don't deliver blossoms and seeds. Greeneries, lycophytes, and horsetails are the three primary divisions of Pteridophyta.

Highlights of Pteridophyta:

- They are multicellular. The male sex organ is known as antheridia and the female sex organ is known as archegonia.
- They contain vascular tissues.



GYMNOSPERMS

Gymnosperms are flowerless plants that produce cones and seeds. The term gymnosperm signifies 'exposed seeds'. Coniferophyta, Cycadophyta, Ginkgophyta, and Gnetophyta are the four divisions of gymnosperms.

Highlights of Gymnosperms:

They are pollinated by the breeze.

They produce needle-like leaves

ANGIOSPERMS

Angiosperms are blossoming plants. Roughly 80% of the realized green plants are covered by angiosperms. Monocotyledonous and dicotyledonous plants are the two divisions of angiosperms.

Highlights of Angiosperms:

- They have a vascular pack with xylem and phloem tissues.
- The root arrangement of this division of plant realm is completely evolved.



UNIQUE STUFFS ABOUT PLANT KINGDOM

Realm Plantae contains just about 300,000 unique types of plants. It's anything but the biggest realm, yet it is a vital one! In the process known as "photosynthesis", plants utilize the energy of the Sun to change over water and carbon dioxide into food (sugars) and oxygen.

Quiz-time

- 1) what is the sub-division under Bryophyta
- 2) How many percent of green plants are covered by Angiosperms
- 3) what does Gymnosperms signifies
- 4) what is another name for Pteridophyta
- 5) What is the primary division of the plant realm or kingdom

