

TAXONOMY STRUCTURES FOR:

PLANTS, FUNGI, LICHENS MOSSES ETC, SLIME MOULDS AND ALGAE, CYANOBACTERIA ETC.

THAT IS, FOR NON-ANIMAL CATEGORIES.

Note that Marine organisms are not included.

Non-animals living organisms are divided into the categories of Plants; Fungi; Lichens, Mosses & other Bryophytes; Slime Moulds; Algae, Cyanobacteria, other bacteria and viruses.

These are the level one categories. These categories are then divided into sub-categories. For example, Plants are divided into Daisies, Lilies & Irises, Peas etc. These are called level two categories. Again some of these are further divided into lower level sub-categories. For example, Palms, Cycads and tree-like are divided into level three categories. For example Palms and Grass trees are level three categories. Slime Moulds and Algae, Cyanobacteria etc have only level one categories.

PLANTS

[Daisies](#)

[Lilies & Irises](#)

[Peas](#)

[Other Wildflowers & Herbs](#)

[Orchids](#)

[Wattles](#)

[Gum Trees](#)

[Other Trees](#)

[Other Shrubs](#)

[Climbers & Mistletoes](#)

.....[Climbers](#)

.....[Mistletoes](#)

[Ferns and Clubmosses](#)

[Grasses](#)

[Rushes, Sedges & Mat Rushes](#)

[Other Fresh Water Plants](#)

[Cacti & Succulents](#)

Marine Water Plants

Palms, Cycads and tree-like monocots

.....Palms

.....Screw pines, pandans

.....Grass Trees

.....Other tree-like monocots

.....Cycads

Conifers

FUNGI

Caps on stems; gills below caps [mushrooms or mushroom-like]

Caps on stems; pores below caps [boletes & stemmed polypores]

.....Boletes - Fleshy texture, stems central (more-or-less)

.....Polypores - Non-fleshy texture, stems central or lateral

Caps on stems; teeth below caps

Caps on stems; none of the above

.....Caps conical/spherical & deeply pitted [morels]

.....Caps saddle-like to markedly convoluted [false morels]

.....Caps funnel-like

.....Caps otherwise

Caps, gills below, no stem & usually on wood [stemless mushrooms & the like]

.....Furry, white or greyish upper surfaces

.....Gills connected by cross veins

.....Other caps, gills below, no stem

Shelf-like to hoof-like & usually on wood

.....Pored or somewhat maze-like on underside [bracket polypores]

.....Teeth on underside

.....Underside smooth or wrinkled/roughened

Puffballs & the like

-Simple spore sac, with an apical hole [puffballs]
-Spore sac on a star-like base [earthstars]
-Fruitbody thick walled, splitting from the top
-Fruitbody walls break away to expose the spores
-Other puffballs, etc (& the unknowns)

Stinkhorns: with a smelly, brownish spore slime

-Stinkhorns, radiating arms atop a stem
-Stinkhorns, cage-like
-Stinkhorns, some other shape- and miscellaneous

Clubs or stalks (maybe a forked or broader apex)

-Clubs/stalks on soil
-Clubs/stalks on wood or on leaf/twig litter
-Clubs/stalks on invertebrates

Coralloid fungi, markedly branched

Disk-like to cup-like

-Cup with one or more 'eggs' inside [birds nest fungi and cannonball fungus]
-Cups or disks - with no 'eggs'

Convolutd to brain-like [Brain jelly & look-alikes]

Fungal galls, other rusts, leaf spots, etc

-Cup with one or more 'eggs' inside [birds nest fungi and cannonball fungus]
-Cups or disks - with no 'eggs'

Other fungi on wood

-Jelly-like; smooth, featureless surface
-Spherical or cobblestone-like or spotted/pimpled crust
-Other black fungi
-Other non-black fungi

Truffles

[Other fungi](#)

.....[Moulds](#)

.....[Not moulds](#)

[Uncategorised Fungi](#)

LICHENS MOSSES & OTHER BRYOPHYTES

[Lichens](#)

[Mosses, Liverworts & Hornworts](#)

SLIME MOULDS

ALGAE, CYANOBACTERIA, OTHER BACTERIA AND VIRUSES



September 2025. Prepared by Michael Bedingfield