Blue-green Algae

Lichens

FUNGI, BLUE-GREEN ALGAE, ALGAE, LICHENS, BRYOPHYTES, FERNS -DO YOU KNOW THE DIFFERENCE?

As a child, one of the first things you learn about the natural world is the difference between plants and animals – plants photosynthesize to produce carbohydrates etc, and animals consume the plants to break them down again. Animals are mobile whereas plants are rooted to the spot. Welcome to the world of the small, where everything is weird. The plant and animal kingdoms don't just merge, there are whole new kingdoms!

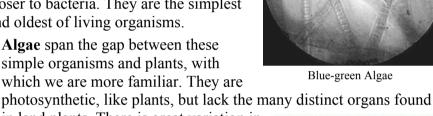
This article is a brief introduction, and over the coming months we will have articles on each group.

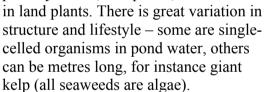


Fungi belong to a large group of organisms that includes microorganisms such as yeasts and moulds, as well as the more familiar mushrooms. The Fungi are classified as a kingdom that is separate

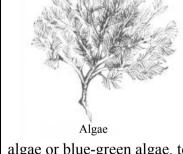
from plants and animals, although genetic studies have shown that fungi are more closely related to animals than to plants.

Blue-green algae used to be classified with the Algae, but now are considered closer to bacteria. They are the simplest and oldest of living organisms.





Lichens are currently classified as fungi that have captured and incorporated



algae or blue-green algae, to provide them with photosynthetic products. In return, the algae obtain protection. The fungi are now so dependent on the algae that they are unable to survive in the field without them, although the algae can. This arrangement is similar to that in corals.



Bryophyte

Bryophytes include the mosses, liverworts and hornworts. They appear to be the closest living relatives of the vascular plants. Bryophytes are all land plants that are non-vascular, i.e. they have tissues and enclosed reproductive systems, but they lack vascular tissue that circulates liquids. They have neither flowers nor seeds, reproducing via spores.

Ferns are firmly in the plant kingdom, having most of the features we are familiar with, but reproduction is still by spores rather than by flowers & seeds.

Source: Wikipedia & others



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