

Higher Classification¹

Kingdom: Fungi

Phylum (P:), Class (C:), Order (O:) and Family (F:)	Scientific Name ¹	English Name(s) ²
P: Ascomycota		
C: Arthoniomycetes		
O: Arthoniales		
F: Arthoniaceae	<i>Cryptothecia rubrocincta</i>	Christmas Lichen, Christmas Wreath Lichen
C: Lecanoromycetes		
O: Gyalectales		
F: Gyalectaceae	<i>Coenogonium lepriurii</i>	
O: Lecanorales		
F: Collemataceae	<i>Leptogium</i> sp.	
F: Parmeliaceae	<i>Bryoria</i> sp.	Electric Horsehair Lichen
	<i>Evernia</i> sp.	
	<i>Everniastrum vexans</i>	
	<i>Usnea longissima</i>	Old Man's Beard, Methuselah's Beard Lichen
	<i>Usnea</i> sp.	
F: Physciaceae	<i>Leucodermia leucomelos</i>	
F: Ramalinaceae	<i>Ramalina</i> sp.	
O: Peltigerales		
F: Lobariaceae	<i>Sticta</i> sp.	
O: Teloschistales		
F: Teloschistaceae	<i>Teloschistes flavicans</i>	Powdered Orange Bush Lichen, Golden-Hair Lichen
P: Basidiomycota		
C: Agaricomycetes		
O: Atheliales		
F: Atheliaceae	<i>Cora glabrata</i>	Conch Lichen

NOTES:

Short-forms: sp. = one species of the given taxon identified.

¹, Classification and scientific names based on current classifications as found on MycoBank (www.mycobank.org). Lichens are a symbiotic organism formed through the combination of fungi and an algae or cyanobacteria partner. Through agreed convention, lichen are currently classified under the genus and species of the fungal partner (typically an ascomycete). Traditionally thought to be a symbiotic relationship between 1 fungus and 1 photosynthesizing partner, Spribille et al. (2016) recently reported that lichens in fact contain 2 fungi, an ascomycete as well as a basidiomycete yeast. This may affect lichen classification in the future.

², English names are not standardized for lichen and the English names provided are not considered the definitive names for the given species. English names were gathered from a variety of lichen and plant related websites.

References:

Spribille, T., V. Tuovinen, P. Resl, D. Vanderpool, H. Wolinski, M.C. Aime, K. Schneider, E. Stabentheiner, M. Toome-Heller, G. Thor, H. Mayrhofer, H. Johannesson, and J.P. McCutcheon. 2016. Basidiomycete yeasts in the cortex of ascomycete macrolichens. *Science* 10.1126/science.aaf8287.

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