

Lichen Slide Gallery

Photos by Sarah Thorne
sthorne@pmhschool.com

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Lichen neighbors in New Hampshire

- The following slide gallery shows common NH lichen, and a few tree growing mosses and liverworts for comparison. (photos taken in Holderness and Alton, NH)
- You can provide these color photos to students for use in their field inventory work.



Fruticose Lichens

- Shrub-like
- Branching
- Hair or beard-like
- No distinguishable upper and lower surfaces



Ramalina sp.

Evernia sp.
(fruticose lichen)





Usnea sp.
(fruticose lichen)

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Foliose Lichens

- “leafy” with distinct top and bottom sides
- can be relatively flat, or raised



- Thallus mostly free from substrate

Punctelia rudecta (foliose lichen)



Plasmatia tuckermanii

(foliose lichen)



Flavoparmelia sp.
(foliose lichen)



Phaeophysica rubropulchra





Parmelia sulcata
(foliose lichen)



Hypogymnia sp.
(foliose lichen)

Crustose Lichens

- Flat
- Grow tightly against substrate
- No lower side or rhizines



Crustose Lichens (many species)

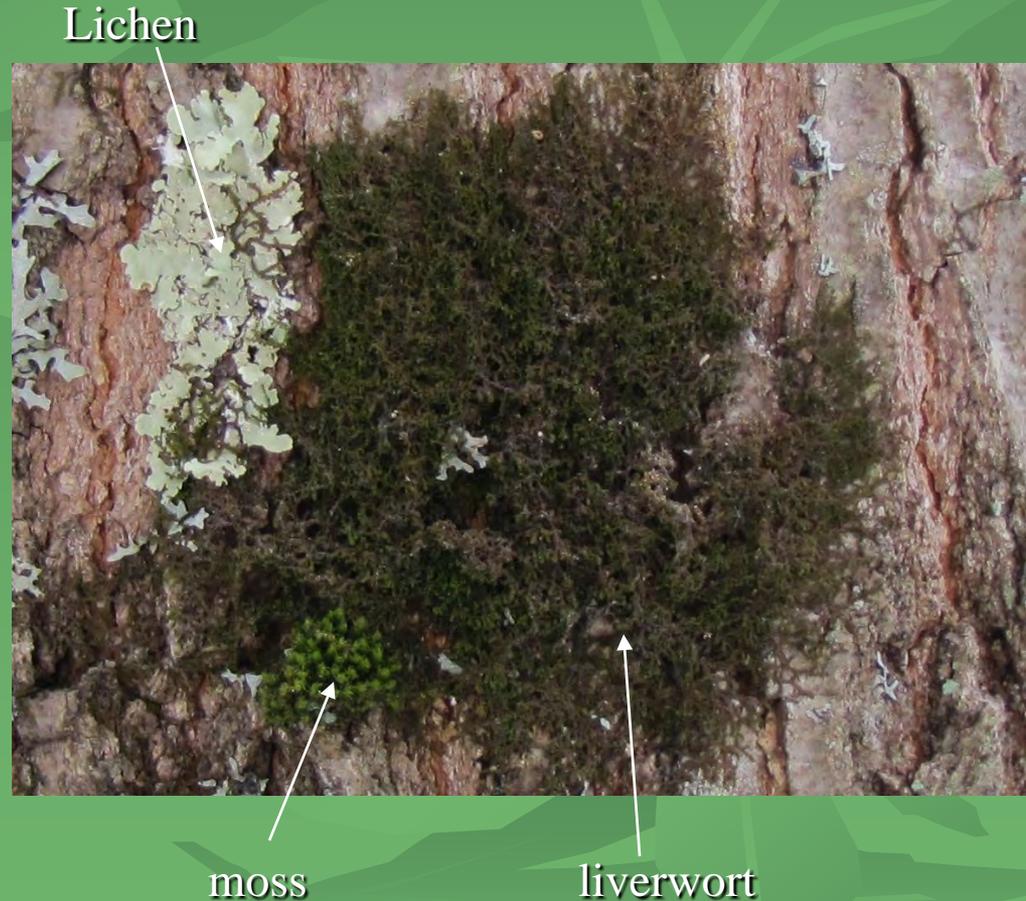


Cryptogams

- Don't reproduce by seed
- Lichen often grow with other cryptogams such as mosses and liverworts.

Lichen Imposters

- But, unlike lichen, mosses and liverworts are primitive plants
- Students can inventory these as well, if desired



Moss

- Erect shoots
- Reproduce with spores
- Leaf and root-like structures
- Very green, Chlorophyll throughout
- Non-vascular



Ulota crispa

Pylaisiella sp. (flat moss)



Liverworts

- Non-vascular
- Usually in moist conditions
- tough “leaves”



Radula complanata

A close-up photograph of a tree trunk with rough, reddish-brown bark. A large, dense patch of dark green, moss-like liverwort (Frullania sp.) is growing in the center. To the left, there is a smaller, lighter green, leafy liverwort. The background is a blurred view of the tree's surface.

Frullania sp.
(liverwort, center)

Lessons developed and field tested by:

Sarah Thorne, Science Teacher, Prospect Mountain High School, Alton, NH

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