

Lichen Resource List

Resources appropriate for a particular lesson are listed on the lesson worksheet.

Internet resources:

Cleavitt, N.L., J.W. Hinds, R.L. Poirot, L.H. Geiser, A.C. Dibble, B. Leon, R. Perron and L.H. Pardo. 2015. Epiphytic macrolichen communities correspond to patterns of sulfur and nitrogen deposition in the northeastern United States. *The Bryologist* 118(3):304-324. <http://dx.doi.org/10.1639/0007-2745-118.3.304>

Holt, E. A. & Miller, S. W. (2011) Bioindicators: Using Organisms to Measure Environmental Impacts. *Nature Education Knowledge* 3(10):8
<http://www.nature.com/scitable/knowledge/library/bioindicators-using-organisms-to-measure-environmental-impacts-16821310>

Lichens of North America webpage has helpful ecological information about lichens. <http://www.lichen.com/animals.html>

USDA Forest Service. Lesson 1 is adapted from other lichen lessons developed by the U.S. Forest Service available at <http://gis.nacse.org/lichenair/?page=lessons> .

USDA Forest Service Lichen Pages are an excellent source of information about lichen ecology and biomonitoring. <http://www.fs.fed.us/wildflowers/interesting/lichens/>

US Geological Survey's website will help students differentiate between lichen, moss, and liverworts. <http://fresc.usgs.gov/products/fs/fs-154-02.pdf>

Selva, Steve. "Using Calicioid Lichens and Fungi as Biomonitors of Pollution in Five Class I Wilderness Areas in Eastern North America." 2014, unpublished (in kit)

Other websites:

www.britishlichens.co.uk/whatarelichens.html

http://files.dnr.state.mn.us/education_safety/education/teachers/activities/volunteer_studyguides/lichens_studyguide.pdf

<http://www.ucmp.berkeley.edu/fungi/lichens/lichenlh.html>

www.handsontheland.org

Guidebooks:

Brodo, Irwin M., Sylvia Duran Sharnoff, and Stephen Sharnoff, **Lichens of North America**, Published by Yale University Press, 2001. This is the definitive guidebook to NA lichen identification.

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Hinds, James W. and Patricia L., **The Macrolichens of New England**, The New York Botanical Garden Press, Bronx, NY, 2007. This is the definitive lichen guidebook for New England.

Wigley, Nancy. **Looking at Lichens: A journey of discovery beginning on Cape Cod**. Cape Cod Museum of natural History, Brewster, MA, 2013.

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