What is a lichen? What are the different organisms that make up a lichen?

· Slow growing, attriched to ocks/trees · Fungus + algae (two different organisms) Symbistic partership-both Organisms contribute

How do each of the organisms that make up a lichen contribute to the lichen as a whole? In other words, what purpose do each of the parts of a lichen serve?

Fungus: Shelter/structure Algae: Provides food energy (carbohydrates) through Photosynthesis

How do the different organisms of a lichen get food and energy? (Nitrogen, Potassium Lichens do not Phosphonous) have the nook. NUTRIENTS: Absorbed by fungal Lichens don't need body from air/rain soil or nutrient substrates (Used by algae too) Algae uses photosynthesis be "sponge-y" to (carbon + water + sunlight = super) (some teaks into longus) (so they're sensitive to poor air quality)

Two tasks @ Noyes property:
1. Data collection for lichens

2. Scoot out potential patterns

Data collection: " % cover" . Find a branch on the ground · Look for branches at least 12" long, mostly covered with lichens
'Measurements should be made from the "orthward" side

Zmn Bure 2 mm ~ 30 nm total

WITTEB the amount of lithens branch data tables

measurement

fraction Look for patterns - are there more/ less of certain lichens under different circumstances?