

Lichen Study and Course Review – Day 6

Biology

Today you will be looking at stained slides of lichens that you create. Make sure to follow the required safety rules and use the equipment properly.

As you look at the slides, please make sure to do the following:

- a) As you make observations of the lichens, make sure to note which lichen you are looking at.
- b) Make careful drawings of each lichen slide and include photographs of your slides if you can do so. (Both you and your partner should make drawings of each slide.)
- c) On your drawings, label all of the structures you can identify.
- d) Take particular care to look for cell membranes, cell nuclei, and evidence of mitosis or meiosis.

When you have looked at several lichen slides, you and your partner should add a new slide to the Google Slides document you started. The new slide should meet the following criteria:

- 1. A title that describes what your slide is discussing. (1 point)
- 2. A short description of the overall goal of your observations. (2 points)
- 3. At least six of the photos you took – at least four of which should be of the drawings you made in your notebook (crop these photos so that only the relevant drawings are included). (2 points)
- 4. Captions for each of the photos describing which lichen species you were examining. (2 points)
- 5. Proper spelling, grammar, and punctuation – for lichens, use the scientific name, which should be in italics, with the first word capitalized and the second word lowercase; for example, *Usnea subfloridana*. (1 point)
- 6. Your slide should be attractive, well-designed, easy to read, and uncluttered. (2 points)

When you and your partner are done with your slide, turn in your revised document through Showbie (only one of you needs to turn it in).