

Lichen Study and Course Review – Day 3

Biology

Today we will begin our lichen study. The first topic for investigation is Ecology and we have chosen to study **symbiosis**. Working individually, answer the following questions in your notes:

1. What is a symbiosis? What are the different types of symbiosis and how are they different?
2. What type of symbiosis is characteristic of lichens?
3. What are the two kinds of organisms that make up a lichen and what function do each of them play in the lichen symbiosis? (There are actually three types of organisms; lichens always have one of them but they only have one of the other two.)
4. What would each of the organisms that make up a lichen require in order to be able to live alone, without the other organism present?

Your next step, after gathering the above information, is to put it all together in a Google Slides document. This document will eventually have all of the information you gather about lichens during our course review, so you should call it “Lichen Investigations”. You may work with a partner on this part of the assignment; make sure you choose your partner wisely and that you each have access to the same Google Slides document. ***The first slide of this document should be a title slide with your name and your partner’s name clearly written.***

The slide you will work on today will be the results of your research above on lichen symbiosis. Your slide should meet the following criteria:

1. A title that describes what your slide is discussing (1 point)
2. The answers to all of the questions above – in short sections, either using bullet points of complete sentences. You do not need to include the questions themselves but the information you present should either stand alone or have a clear progression. You do not need to have one section for each question as long as the information is all present on the slide. Spelling, grammar, and punctuation will count. (3 points)
3. There should be at least 5 relevant pictures, with a small caption below them describing what the picture shows and the website where you found the picture (“Google Images” or “Bing Images” doesn’t count – that’s the search engine you used, but not the actual location of the website). (3 points)
4. Your slide should be attractive, well-designed, easy to read, and uncluttered. (3 points)

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