|  |  |  |
| --- | --- | --- |
| **iLearn BI 101** | **Fungi Diversity Assessment:**  **Mycosis: Fungal Infections** | Name: |

**Procedures:**

Now is your opportunity to demonstrate what you have learned about fungi diversity. After completing this activity and question set you will be submitting this document for grading through the course website. Upon completion of this assignment with the minimum required score, you will have completed the Fungi Diversity module. The details on the grading and submission process can be found on the course website.

In the last unit you researched and reported on an infectious disease that is caused by a bacteria or virus. In this module you will be researching and reporting on another type of disease: a mycosis. Fungal infections are often overlooked as being ecologically important because they rarely result in death in human health. In this assessment you can broaden your horizons a bit. Mycosis, as you learned, is any infection by a fungal species, it can infect humans or to other organisms such as plants or insects. Find an example of this situation from investigations on the internet and share your findings of a unique example of this parasitic relationship.

For the fungal infection you have chosen, answer the following questions by clicking on the grey text box and begin typing. Be sure to answer the questions in your own words, using appropriate vocabulary and terminology learned in the lecture, lab, and reading materials. It is expected that each answer is 2 – 3 paragraphs in length. Keep in mind that this unit is on fungi diversity; therefore you must choose an infectious disease that is caused by a fungus. When completed, submit this document through the submission page on the course website.

1. What is the name of the mycosis, the organism that it infects, and the species of fungi that causes it? What is it about this particular fungal infection that interests you? (i.e why did you choose to report this particular mycosis?)

1. Discuss the classification of this fungal species. Which of the 4 major groups you learned about is this species classified as. Include in your discussion the aspects of this fungus that identify it as a member of the group you identified.

1. Describe the fungus that causes this infection. Be specific to the lifecycle of the fungus. Include details on the fungi’s reproductive methods, mode of transmission and prognosis for the infected, ease of transfer to other individuals (I.e. how contagious is it?).

1. Explain the symptoms of the mycosis. Discuss things such as how it impacts the overall health of the infected individual, if it is possible to die of this type of mycosis, etc.

1. Even though you may have chosen a mycosis that does not infect humans, it is likely one that impacts humans nonetheless. Discuss the impacts, whether to human health or ecological importance, that this fungus has to humanity.

1. Insert a picture of your fungal species and an image of an individual displaying symptoms of the mycosis by clicking on the image icons below:

Fungus:



Mycosis:

