

Kristie Phan

AVT-415-DL1

September 18, 2021

## Assignment 1 - Fun Facts Webpage

### Fun Facts: Fungi Are Important To The Environment!

- **Fungi Insights:** Fungi play an important role in energy cycling within, and between, ecosystems. Fungi are found in terrestrial, marine and freshwater environments, and are part of a diverse community of “decomposers” that break down dead plants and animals. Aside from fungi, this community includes bacteria, tiny invertebrates, such as nematodes, and larger invertebrates, like snails, beetles and earthworms.
  - Fungi, along with bacteria, are great recyclers, and will return much of the dead material like leaves and dead animals found in forests to soil. Without them we would be buried in meters of dead materials.
- **Decomposition:** Fungi play a very important part in the decomposition process, because they can break down tough organic materials, such as cellulose and lignin, which invertebrates find difficult to digest. Fungi release digestive enzymes that are used to metabolize complex organic compounds into soluble nutrients, such as simple sugars, nitrates and phosphates. Unlike animals that digest food inside their bodies, fungi digest food outside of their “bodies” and then absorb the nutrients into their cells.
- **Mushrooms in Nature:** The length of life, the way of feeding and reproduction determine their value. They are involved in almost all life processes, entering into symbiosis with plants and animals. The economic value of mushrooms is that they are eaten, they are made into medicines, used in cooking, etc.
  - Furthermore, the importance of mushrooms in nature is determined by the fact that they affect the circulation of substances, plant life, and the life of animals.

**Sources:** <https://bernhheim.org/the-importance-of-mushrooms/>

<https://sciencing.com/lichen-autotroph-5108.html>

<https://ng.meridianfarmersmarket.org/7045-the-value-of-mushrooms-in-nature.html>

**Images:** <https://getwallpapers.com/collection/mushroom-forest-wallpaper>

<https://getwalls.io/poicini-mushrooms-wallpapers-297024/>

<https://www.toptal.com/designers/subtlepatterns/light-grey-terrazzo/> (background pattern)



# AVT-415: FUN FACTS WEBPAGE

## TOPIC: ECONOMIC IMPORTANCE OF MUSHROOMS

DESIGN 1

The wireframe for Design 1 consists of a central vertical column with horizontal sections for different content areas. At the top is a header section containing a mushroom icon and the title "IMPORTANCE OF MUSHROOMS". Below this is a section titled "Economic Importance". Further down is a section titled "Decomposition". At the bottom is a section titled "Role in Nature". Each section has a wavy line underneath it. In the bottom right corner of the page area, there is a large rectangular box with a diagonal cross through it, and below it, the word "source:" followed by a wavy line.

Design 2

The wireframe for Design 2 is similar in structure to Design 1. It features a central vertical column with sections for "Economic Importance of Mushrooms", "ABOUT FUNGI:", and "ROLE IN NATURE". Each section has horizontal lines underneath. There are decorative elements: a rectangular box with a diagonal cross in the top right, a small icon of three horizontal lines next to "ABOUT FUNGI:", and a small icon of two horizontal lines next to "ROLE IN NATURE". At the very bottom left, there are three small mushroom icons. In the bottom right corner of the page area, there is a large rectangular box with a diagonal cross through it, and below it, the word "source:" followed by a wavy line.