

## Assignment 1 - Fun Facts Webpage

### Topic: The Economic Importance of Mushrooms

- **About Fungi:** 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.
- **Role 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.
  - The importance of mushrooms in nature is determined by the fact that they affect the following processes:
    - on the circulation of substances;
    - on plant life;
    - on the life of animals.



# 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. There are also decorative elements: a large rectangle at the very bottom with a diagonal cross, a small rectangle with a wavy line next to a list of three items (each with a wavy line), and a small rectangle with a diagonal cross at the bottom right.

Design 2

The wireframe for Design 2 is more structured. It features a header section with a large rectangle containing a diagonal cross, followed by the title "ECONOMIC IMPORTANCE OF MUSHROOMS". Below this is a section titled "ABOUT FUNGI:" which includes a small rectangle with a wavy line and a larger rectangle with a diagonal cross. Further down is a section titled "ROLE IN NATURE". At the bottom is a section titled "DECOMPOSITION". There are decorative elements: a small rectangle with a wavy line next to a list of three items (each with a wavy line) on the left, a large rectangle with a diagonal cross on the right, and a small rectangle with a diagonal cross at the bottom right. At the very bottom, there is a small illustration of three mushrooms.