Student Activity Sheet (LKPD)

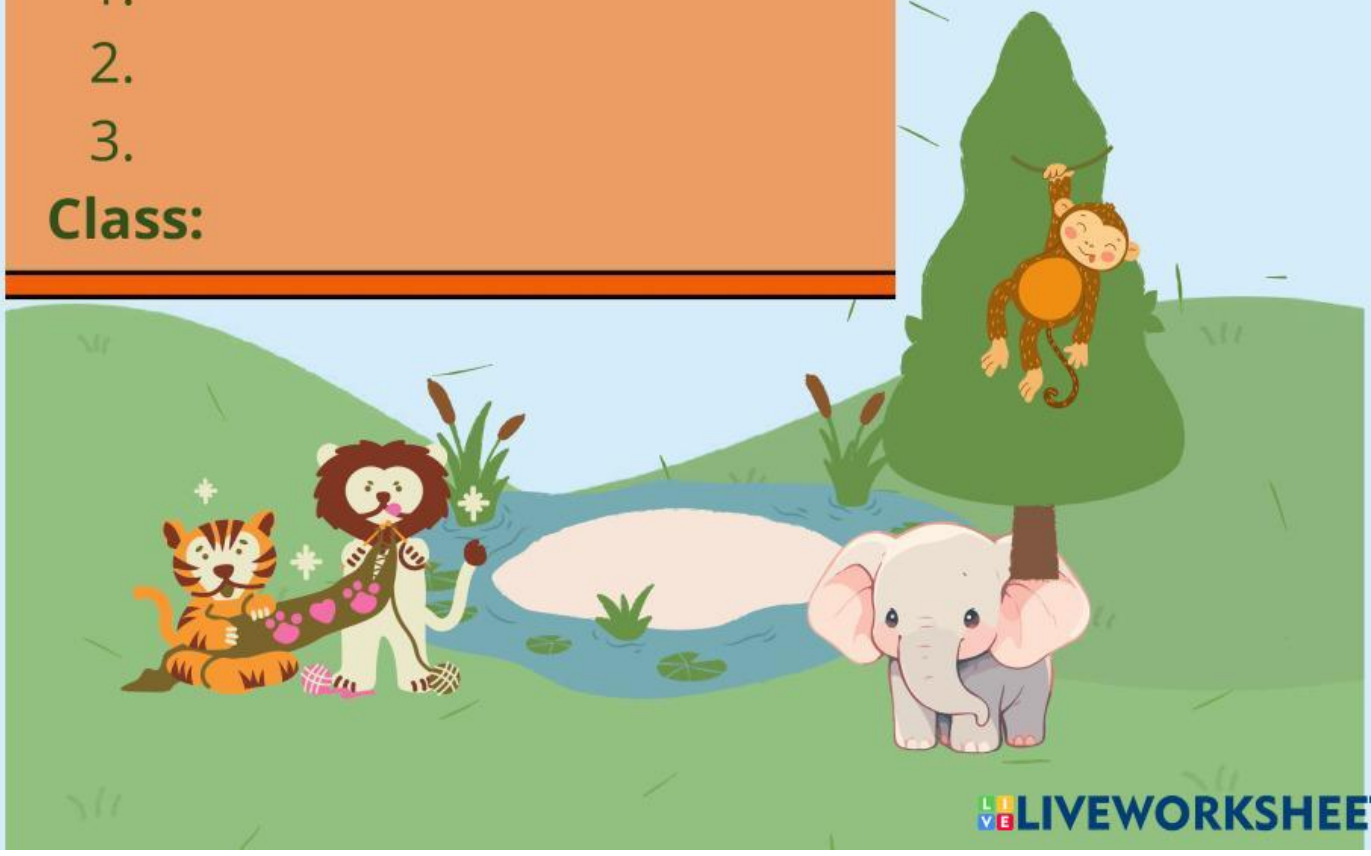
Classification of Living Things Based on Observed Characteristics

Arrange by:
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Student group name:

1.
2.
3.

Class:



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Learning objective



Clasify living things based on observasi characteristic

Instructions for use



1. Write down your identity before working on the LKPD
2. Pray together before starting your work
3. Pay attention to each step listed in the work instructions
4. Work in group
5. Work carefully
6. Follow all work instructions
7. Ask the teacher if there is something you don't understand
8. Collect the LKPD to the teacher when you have finished working on it



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Introduction





Picture 1. Observing living creatures

What is meant by the classification of living things? Classification of living creatures is the process of grouping various types of living creatures based on their characteristics to make it easier to recognize a living creature. This classification of living things will help you to understand the characteristics of living things. In this activity, we will study the grouping of living things based on the characteristics we observe. For example, in the grouping of fungi (fungi). When you observe rotten trees in the surrounding environment, you will definitely find mushrooms growing on these trees. Because fungi will grow in damp environments such as rotting trees (BSNP, 2016).

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Research Quation



1. How to classify types of living things based on observed characteristics?

Purpose



1. to classify types of living things based on observed characteristics

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Activity 1



Materials



1. Microskop
2. Pipete
3. Preparat
4. Cover glass
5. Water
6. Tempe

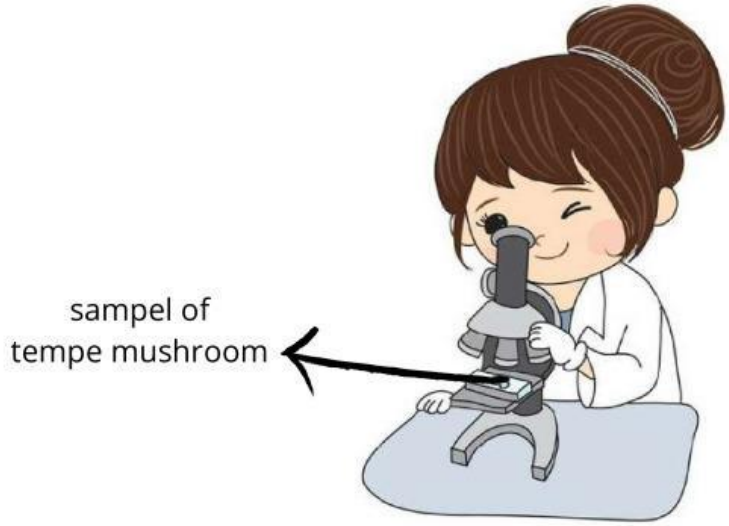
Work Procedures



1. Prepare the materials
2. Take a little of the white part of the tempe
3. Place the little of white part of the tempe on the glass slide
4. Give a little water
5. Cover the preparation using a glass slide cover
6. Place the preparation on the preparation table
7. Observe what's on the white part of the tempe
8. Classify visible living things based on observed characteristics
9. Record the results of observations

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Experimental design

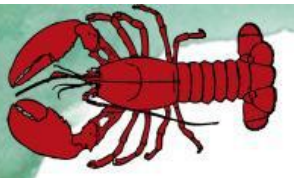


Data

Observation result

1. What are the physical characteristics of the mushrooms that you obsers?
2. Desribe the tempe mushroom seen in microscope!

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Answer of observation result

- has hyphae that form roots
- not have hyphae that form roots
- has stolon hyphae that spreads
- not has stolon hyphae that spreads



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Activity 2

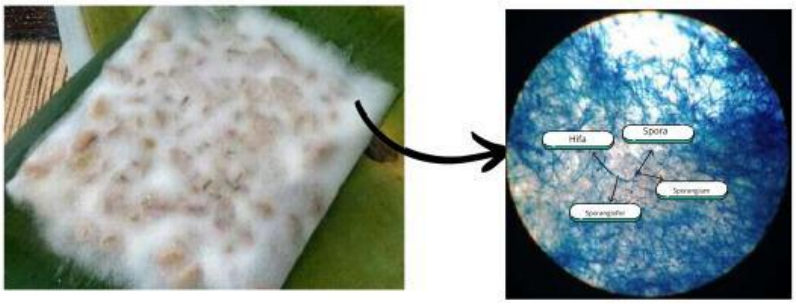
Compare

What is the difference between microscopic and macroscopic fungi in the two pictures below?





Answer:



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Data analysist

Enrichment

After carrying out the experiment answer the followingi questions in discussion with your group

1. What are the most visible characteristics after observing mold on tempe?

2. From your observations, are there any differences in characteristics seen in the mushrooms observed under a microscope and the mushrooms observed with the naked eye?

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Conclution

Documentation

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Reference

Badan Standar Nasional Pendidikan (BSNP). (2016). Naskah Akademik instrument penilaian : Buku Teks Pelajaran Pendidikan Dasar dan Menengah Jakarta: BSNP

Haryani, Desi. (2016). Pertumbuhan Kapang Tempe pada Fermentasi Tempe Bergaram. Program studi biologi. Fakultas Biologi. Universitas Kristen Satya Wacana. Salatiga

Ramlawati, Hamka L, Sitti Saenab, Sitti Rahma Yunus. (2017). Klasifikasi Makhluk Hidup. Kementerian Pendidikan dan Kebudayaan. Direktorat Jenderal Guru dan Tenaga Kepenedidikan

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