

LAB III– FUNGI

Instructions

Use your observation of the material from the different stations and the lab manual to find answers to the questions. Draw what you see and make sure to label relevant structures and observations.

STATIONS	QUESTIONS	ANSWERS	DRAWING
I YEASTS (FRESH OR PRESERVED)	a) Are yeast uni or multicellular? b) What form of reproduction can be observed? c) Phylum they belong to?		
II CONIDIA (ASPERGILLUS OR PENICILLIUM)	a) What form of reproduction is this? b) Phylum these fungi belong to?		
III ASCUS/I (PEZIZA)	a) What form of reproduction is this? b) Phylum these fungi belong to?		
IV BASIDIUM/A (COPRINUS)	a) What form of reproduction is this? b) Phylum these fungi belong to?		
V SPORANGIUM/A (RHIZOPUS)	a) What form of reproduction is this? b) Phylum these fungi belong to?		
VI ZYGOSPORANGIUM (RHIZOPUS)	c) What form of reproduction is this? d) Phylum these fungi belong to?		
VII FRESH MUSHROOMS	a) Identify the different parts of the fruiting bodies b) Which phylum do these fungi belong to? c) Which microscopic structures can confirm this?		

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VIII LICHEN	What organisms form a lichen? What type of symbiosis is involved?		
GENERAL QUESTIONS RELATIVE TO STATIONS I-IV		ANSWERS	
<ol style="list-style-type: none"> 1. Before DNA sequencing which structures were used to classify fungi? 2. Which structures seen in the stations above are haploid? Diploid? 3. How do fungi feed? 4. Aside from DNA what are features Fungi and Animals share that show they are closely related? 5. Complete the fungus life cycle 			