

FUNGI

VIRTUAL LAB

Objectives

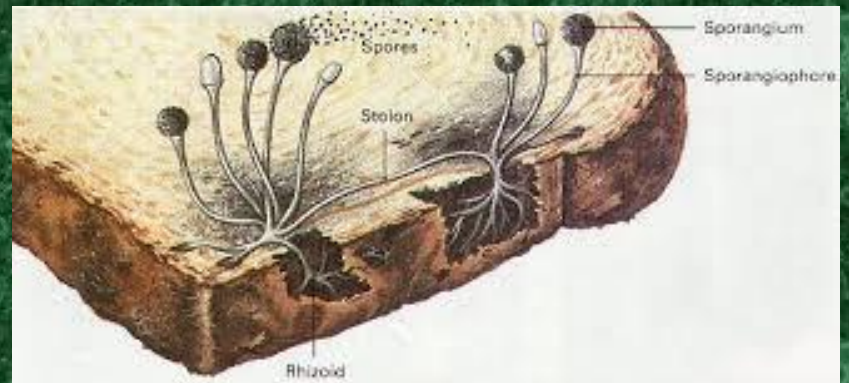
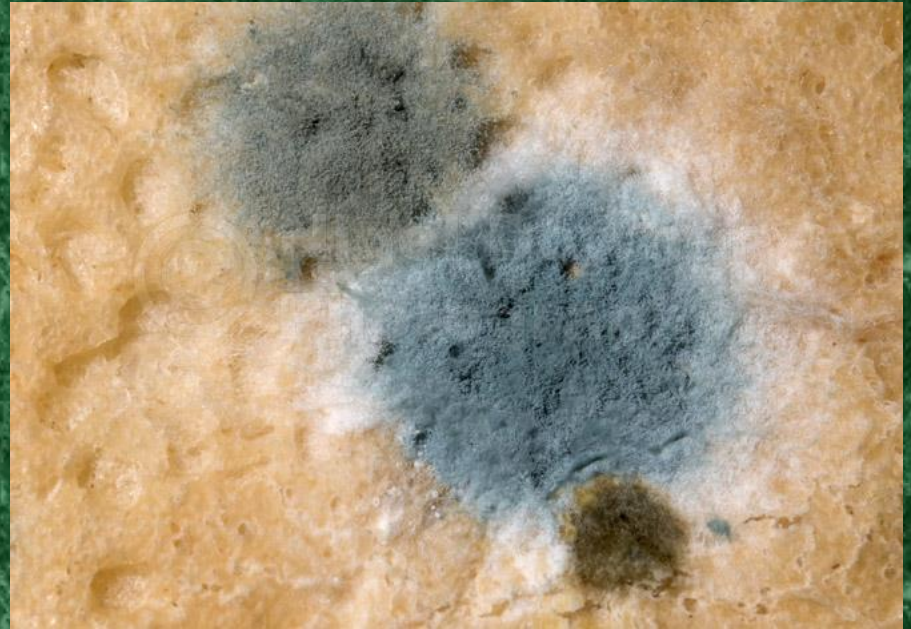
1. describe the characteristic features in the kingdom Fungi.
2. Compare and contrast the fungi.
3. Recognize and describe various forms of fungi.

Directions:

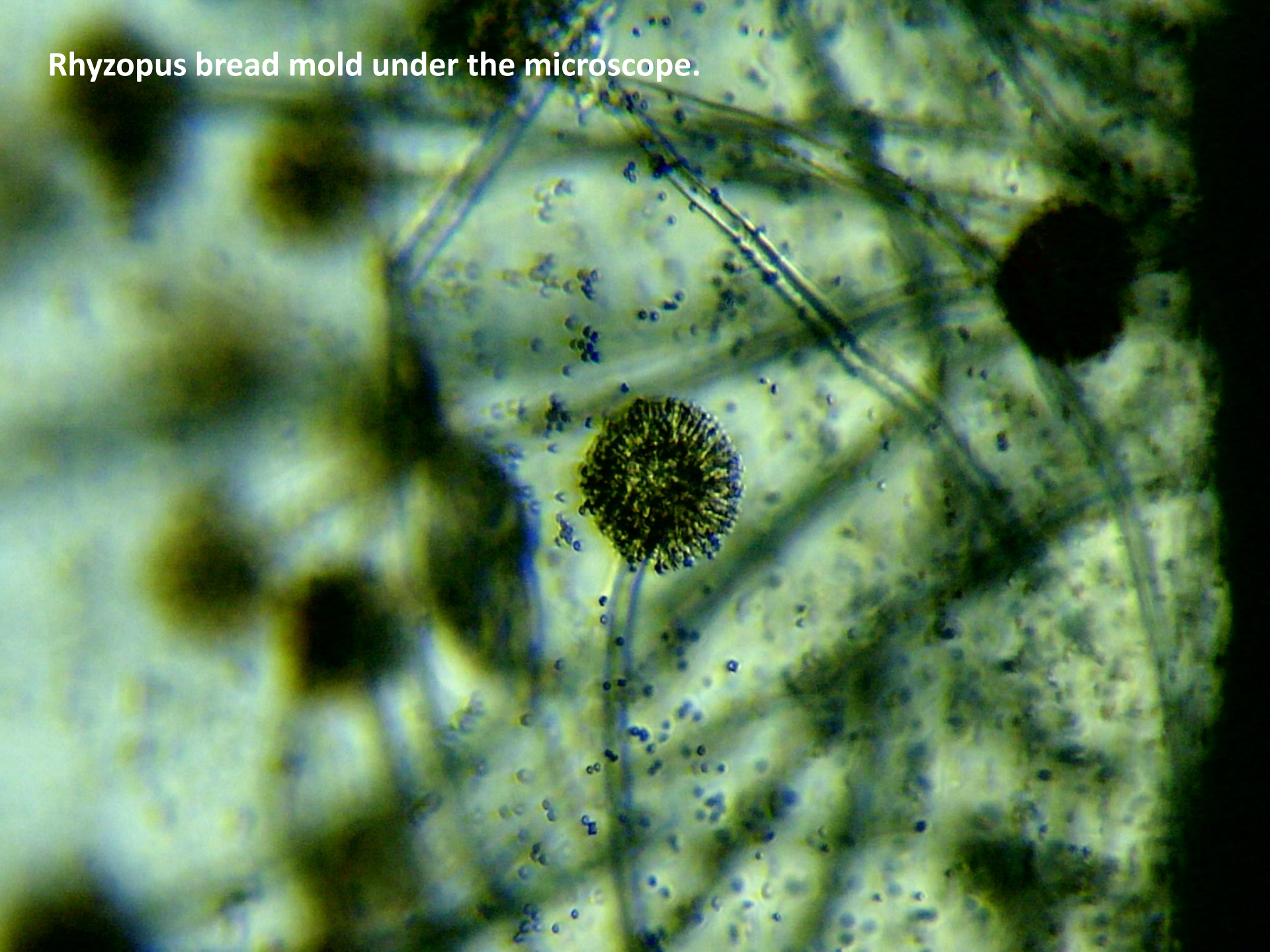
- Observe each sample.
- Draw the samples in your notebook (2).
- Describe each sample.
- Compare.



Sample 1: mold



Rhizopus bread mold under the microscope.



Sample 2: mushroom



Mushroom cells under the microscope



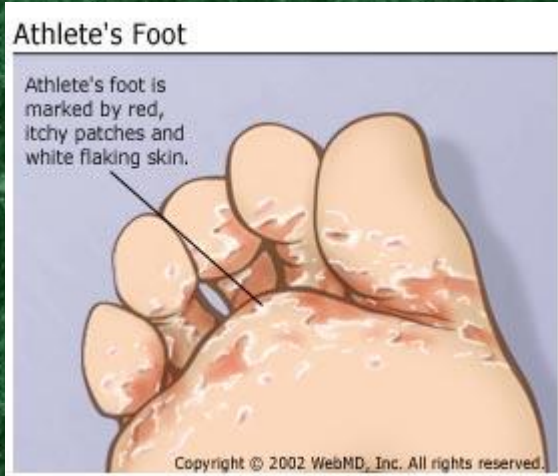
Sample 3: yeast





Yeast under the microscope

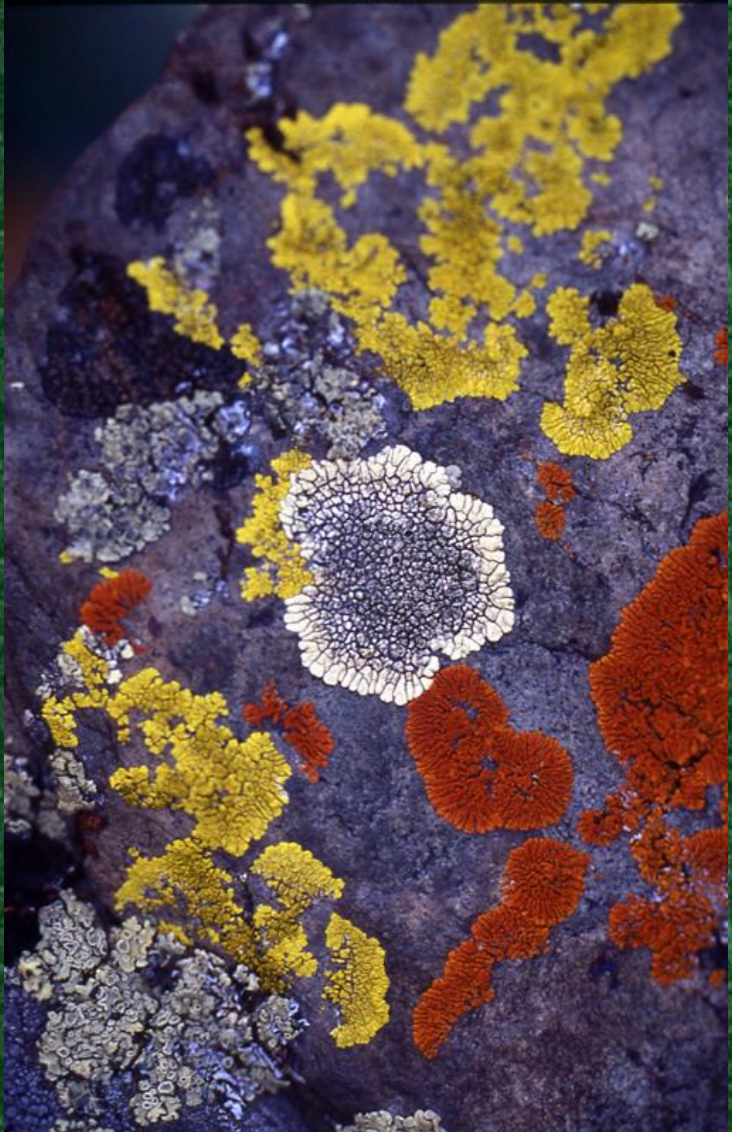
Sample 4: Athletes foot





Athlete's foot fungus under the microscope

Sample 5: Lichen

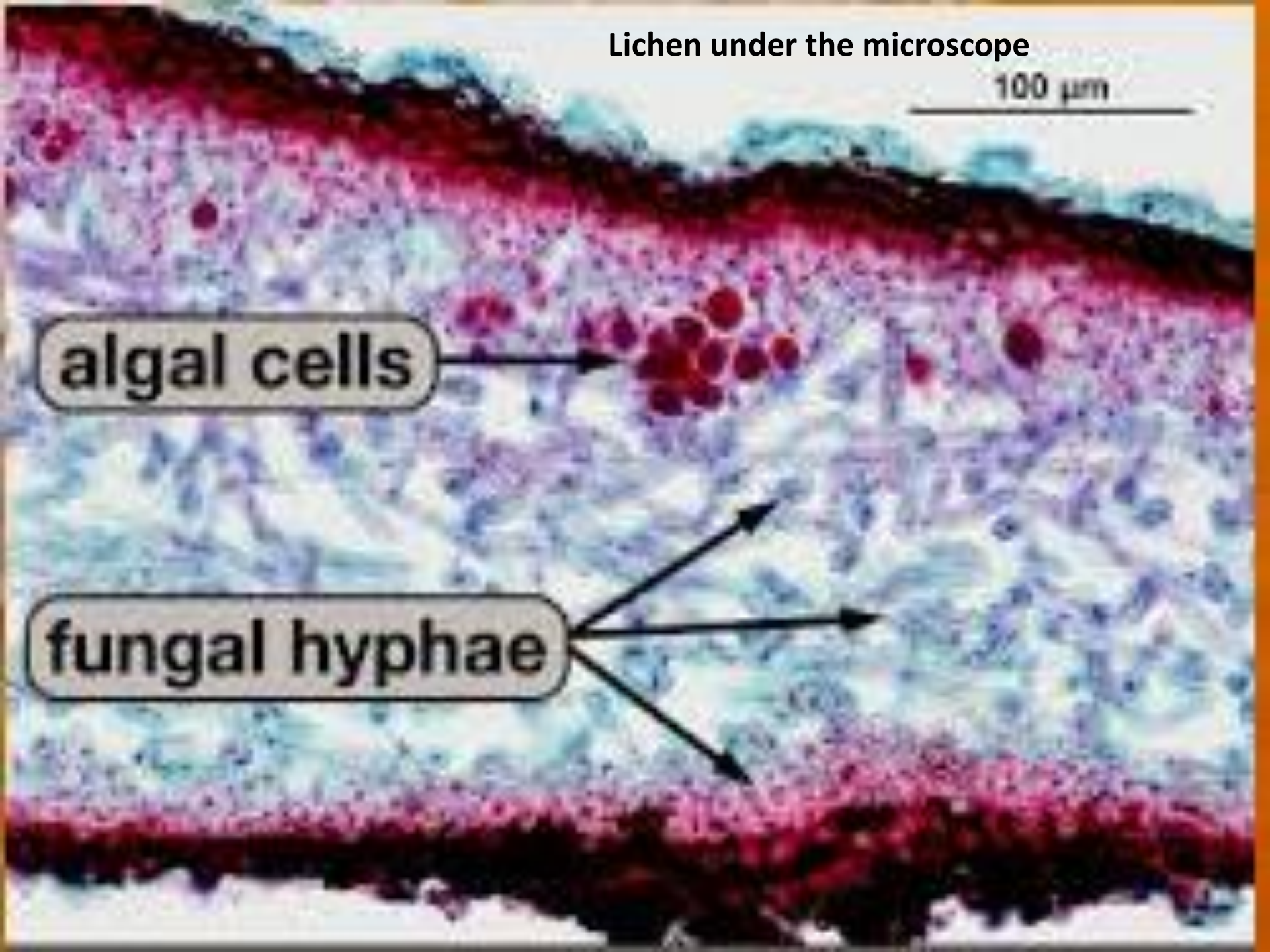


Lichen under the microscope

100 μm

algal cells

fungus hyphae



Analysis

1. What are the main features of fungi cells?
2. Do photosynthetic fungi exist? How do fungi nourish themselves?
3. What are the hyphae and the mycelium of pluricellular fungi?
4. What types of reproduction occur in fungi?
5. What are lichens?