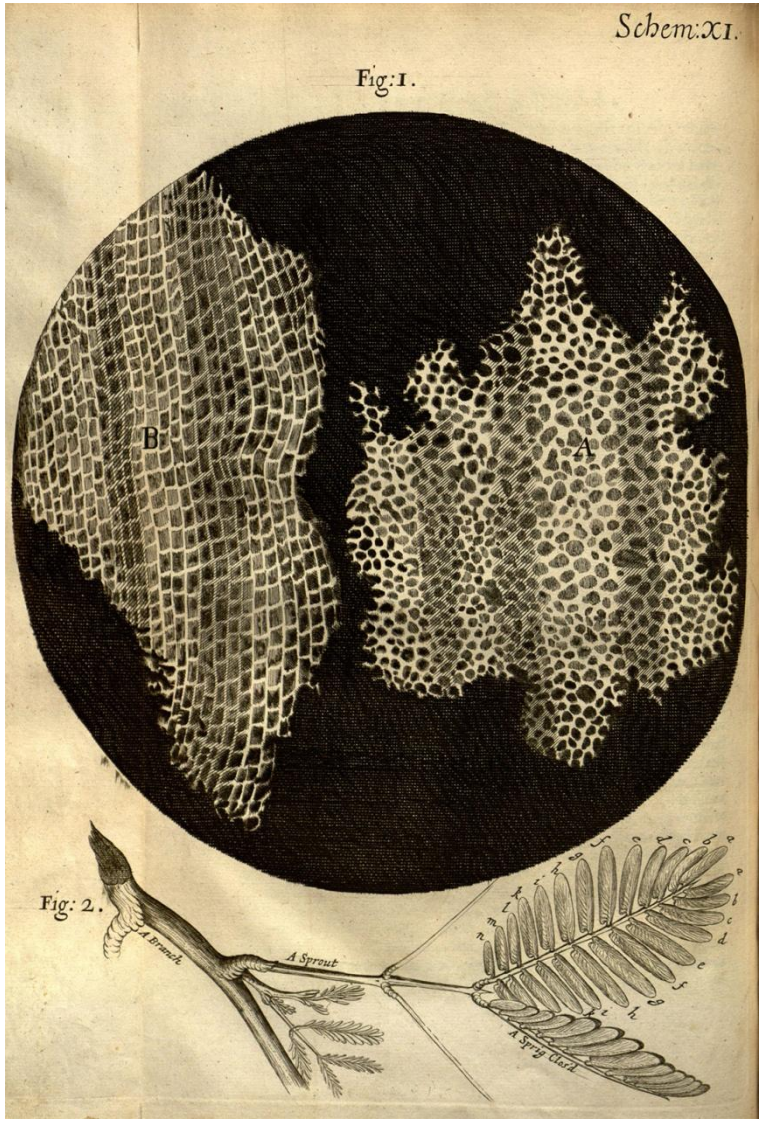
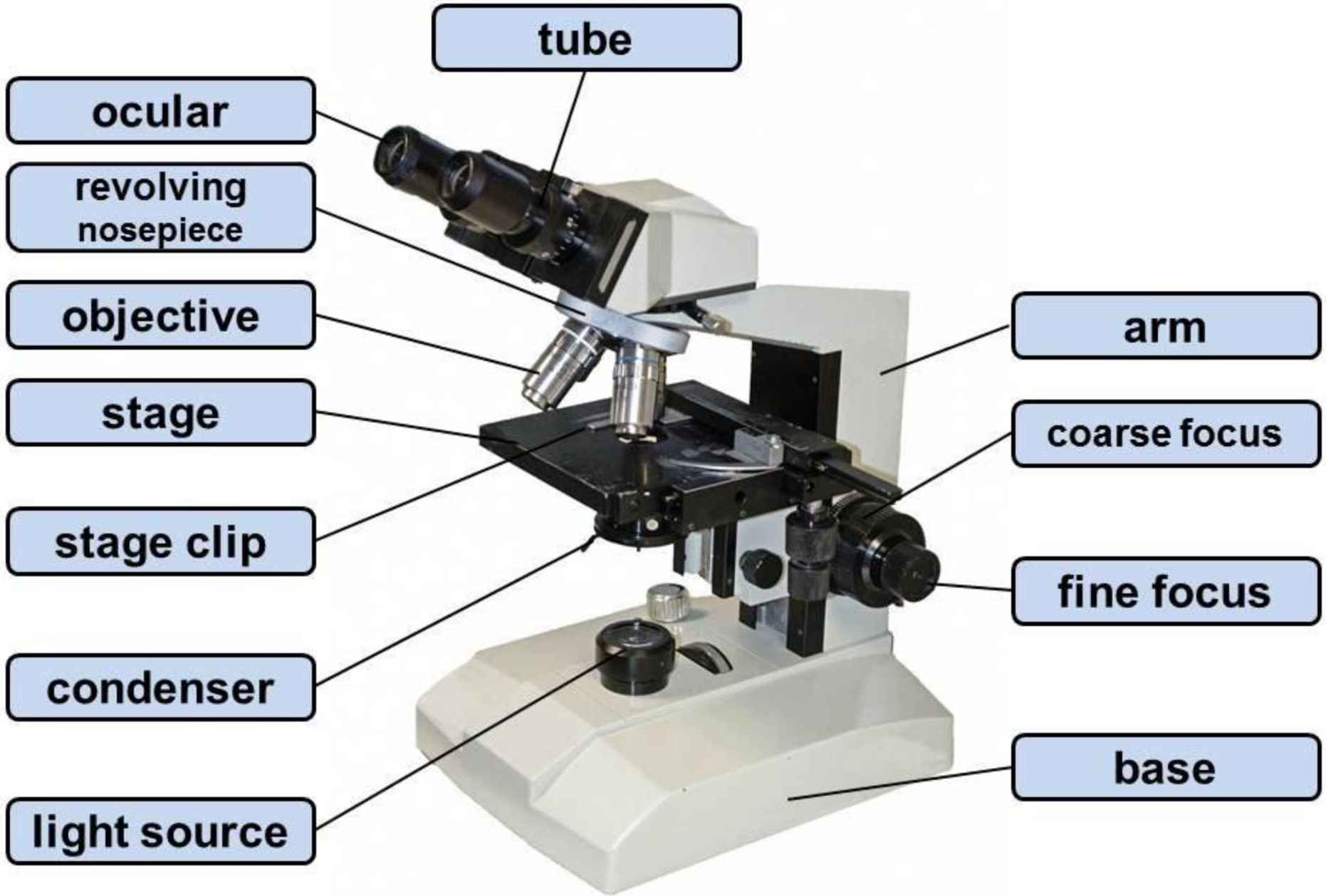
Experiment : Microscope

The invention of the first compound microscope was made by Dutchmen Hans and Zacharias Jansen and Hans Littersey in 1590

In the 17th century it was used systematically by the natural philosopher Robert Hooke

Robert Hooke

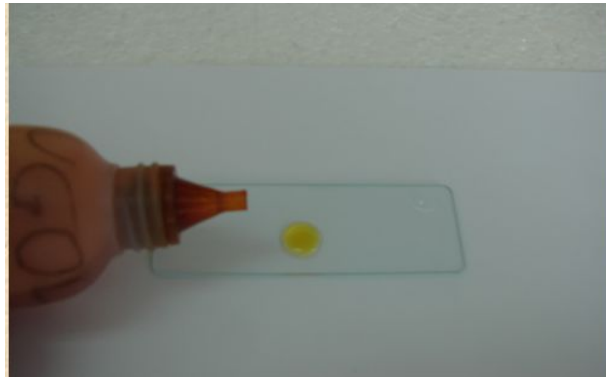




http://light-microscope.net

PROCESS OF EXPERIMENT

1. Put a drop of lugol on a glass slide



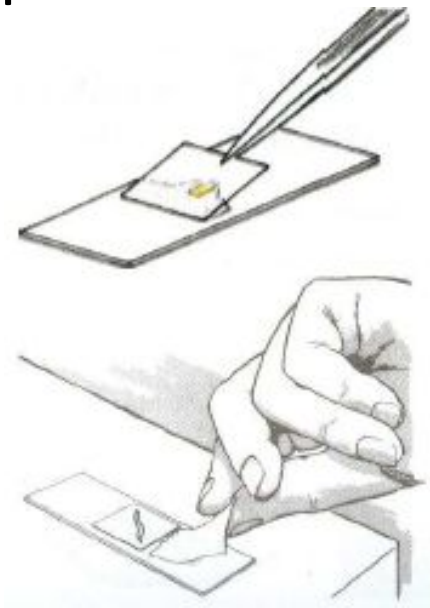
2. Remove a thin onion film

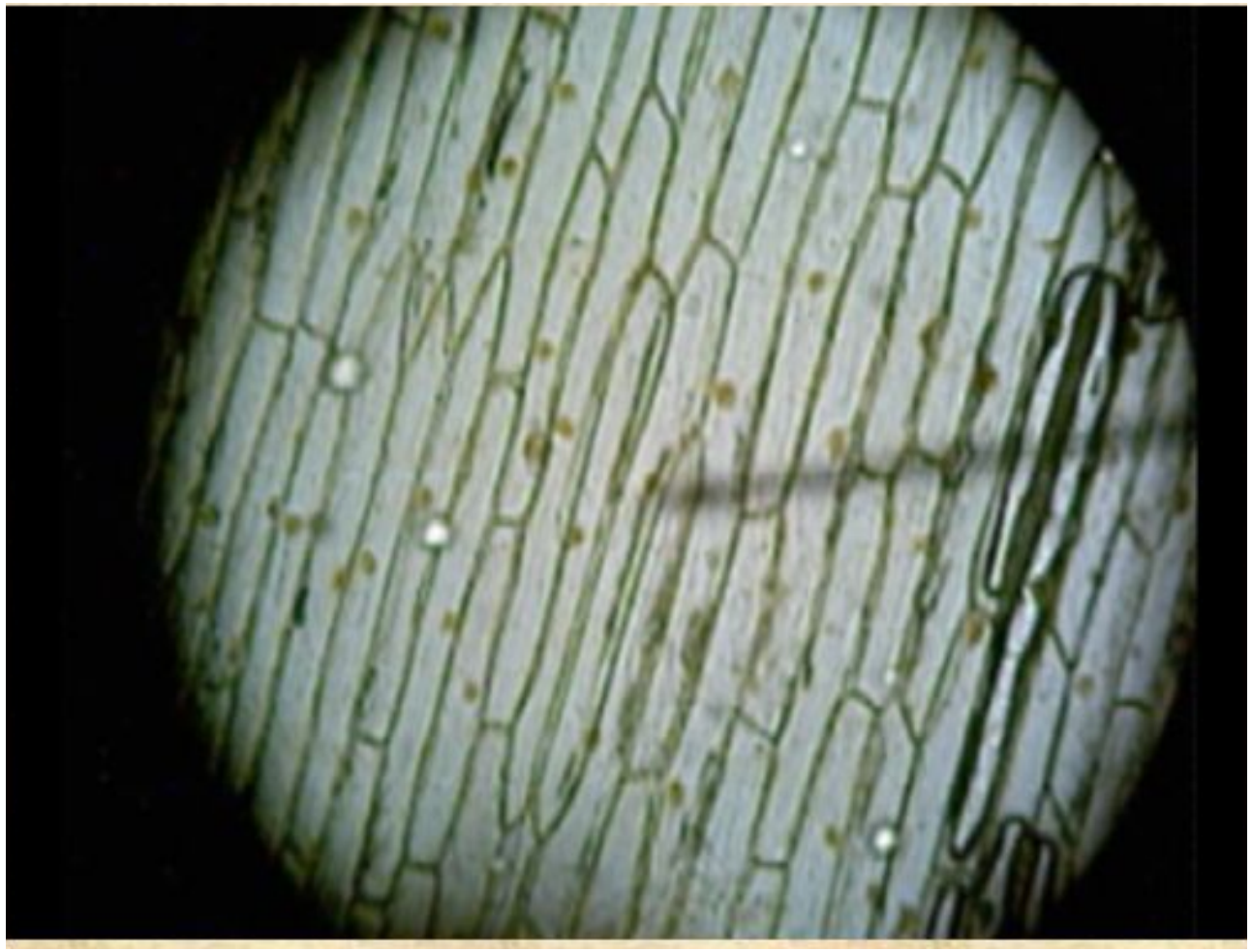
PROCESS OF EXPERIMENT

3. Place the membrane over the lugol drop

4. Wait for 2 minutes and then rinse the sample

5. Cover with a lid and remove the excess water

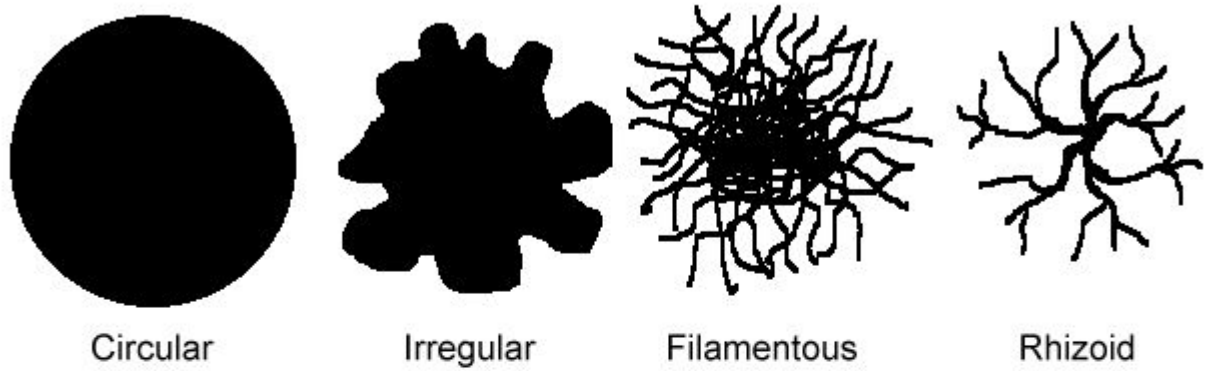




Experiment :Culture of Microorganisms

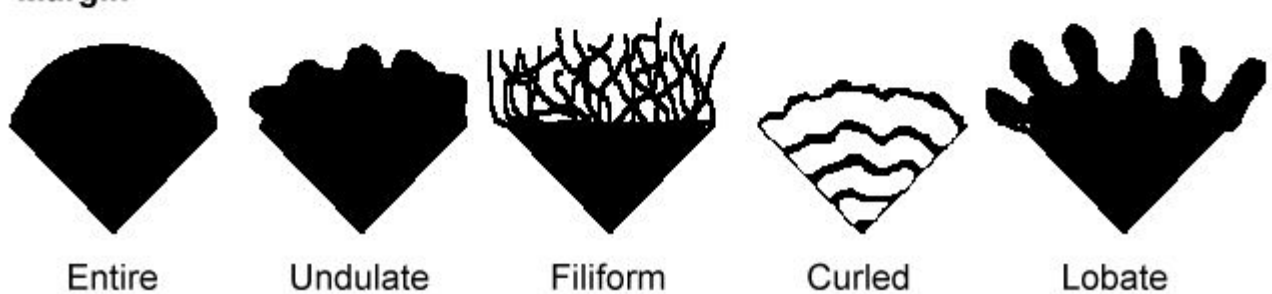
Microorganisms need carbon, nitrogen, various metal ions and water to grow.

Form



Elevation

Margin

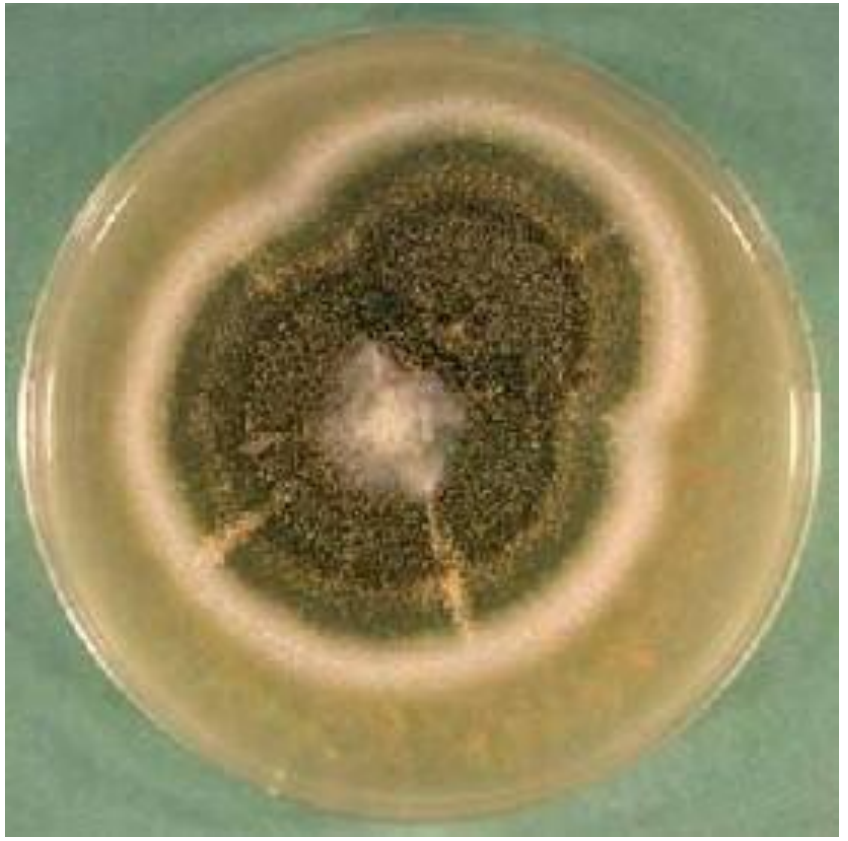


Staphylococcus aures

Streptococcus pyogenes

Candida Albicans

Green Mold *Trichoderma harzianum*



Black Mold *Aspergillus nidulaus*

PROCESS OF EXPERIMENT

1. We count 170ml of purified water and we pour it inside a beaker

2. We start boiling and gradually add 2,5g of agar and start stirring our blend

3. We add one block of meat stock and we keep stirring. We let it boil for around 3 minutes

4. We place the medium in various cell-culture dishes and we leave them until they are solidified