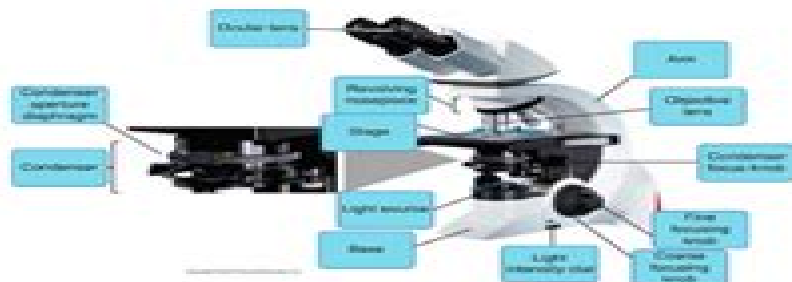


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1. Know the parts of the microscope and their functions.



2. Know how to use the microscope (adjusting for proper viewing, getting an image into focus, using the oil immersion lens) and how to take care of a microscope.
3. Describe aseptic technique and understand why it is important.
 1. Flaming the loop sterilizes it
 2. tube cap is removed
 3. flaming the tube tip sterilizes the surface
 4. only sterilized portion of loop enters tube
 5. the tube is flamed, tube is recapped
 6. loop is flamed again.
 - Allow the loop to completely cool before obtaining your culture.
 - Aseptic technique prevents contamination of culture from foreign bacteria in the environment.
 - Also protect against microbes being released into environment and infecting people
7. Define and describe culture media.
 - Culture media- nutrient preparation devised to support the growth (reproduction) of microorganisms
 - Includes macronutrients, micronutrients, trace metals, and growth factors
 - Agar plate, agar slant, nutrient broth, agar deep tube

Microbiology Lab Midterm Study Guide

RJ Alexander



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oxidation $\text{Co} \rightarrow \text{Co}^{2+} + 2\text{e}^{-}$ reduction $\text{Fe}^{2+} + 2\text{e}^{-} \rightarrow \text{Fe}$ 24 3 $\text{Ag} + \text{Ni}^{3+} \rightarrow \text{Ni} + 3\text{Ag}^{+}$ oxidation reduction 25 $\text{Cu}^{2+} + \text{Pb} \rightarrow \text{Pb}^{2+} + \text{Cu}$ oxidation reduction 26 O_2

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