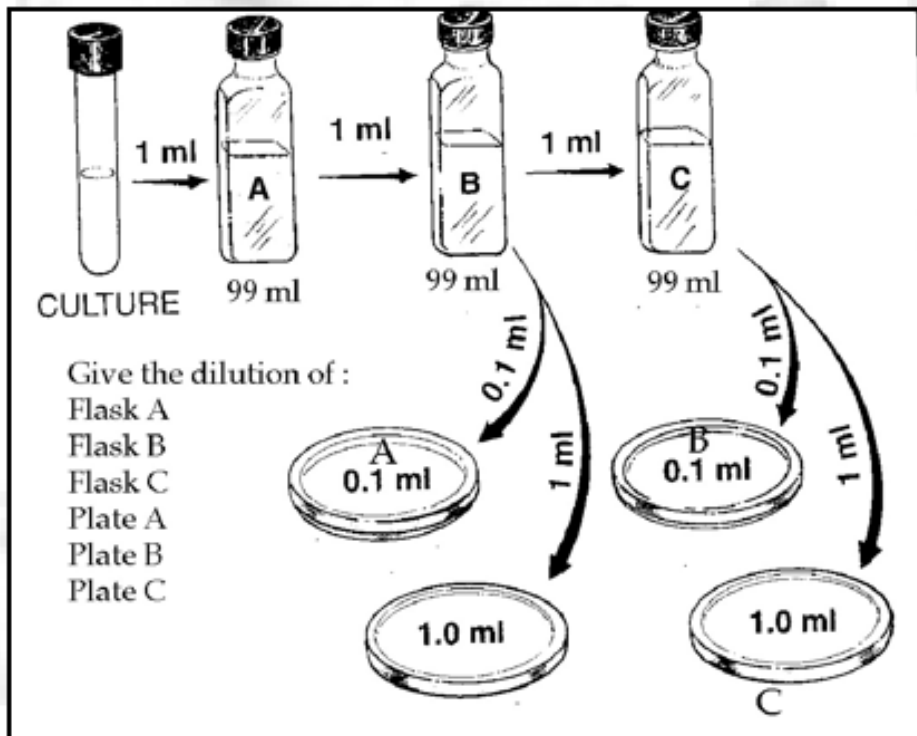


Genetics BIO208 Microbiology Problems

Name: _____ Date: _____ 2012

Refer to the below image. Determine the concentration or dilution factor for the flasks and plates. From the original culture 1 mL of broth was transferred to Flask A which contains 99 mL of sterile water. Then 1 mL from Flask A is transferred to Flask B and then 1 mL from Flask B is transferred to Flask C.



1. What is the dilution from the original to Flask A?
2. What is the dilution from Flask A to Flask B?
3. What is the dilution from the original to Flask B?
4. What is the dilution from Flask B to Flask C?
5. What is the dilution from the original to Flask C?
6. 1 mL from Flask B is placed on plate D (unfortunately not labelled). What is the dilution on plate D?
7. 1 mL from Flask C is placed on plate C. What is the dilution on plate C?
8. If 13 colonies grew on plate A, how many colony forming units (CFU) were in the original?
9. If 175 colonies grew on plate C how many CFU were in the original?