

Microbiology for Health Sciences

Chapter 6 Study Aid

Name: _____

PRINT AND HANDWRITE YOUR ANSWERS!

1. When referring to bacteria, what is a colony?
2. What is a CFU?
3. Define the following terms:
 - a. Autotroph:
 - b. Heterotroph:
 - c. Aerobic:
 - d. Anaerobic:
 - e. Obligate aerobe:
 - f. Facultative aerobe:
 - g. Obligate anaerobe:
 - h. Psychrophile:
 - i. Mesophile:
 - j. Thermophile:
 - k. Hyperthermophile:
 - l. Acidophile:
 - m. Neutrophile:
 - n. Alkaliphile:
4. Nitrogen is needed by an organism to make what molecules?
5. What is a biofilm?
6. When culturing bacteria, what are 2 common isolation techniques?

7. What is a selective media?

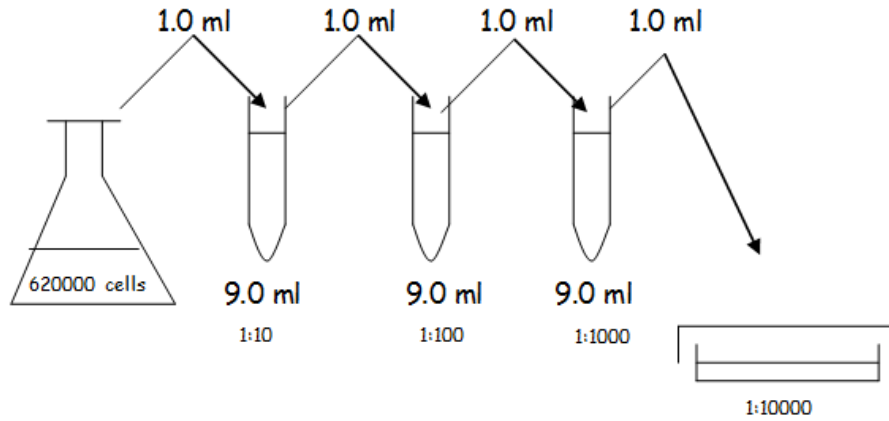
8. What is differential media?

9. Why do some clinical samples have to be kept in an anaerobic container?

10. Bacteria divide by a process called _____.

11. Draw a microbial growth curve and label it.

The number of cells per milliliter (ml) in this culture flask is 6.2×10^4 (62,000). After performing a serial dilution, how many colonies will theoretically grow on this plate?



If you use plate D that has 75 colonies on it, what is the cells/mL in the original sample of E.coli?
Remember: colonies x dilution

