

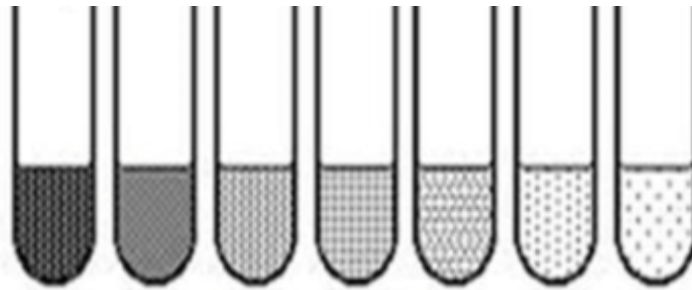
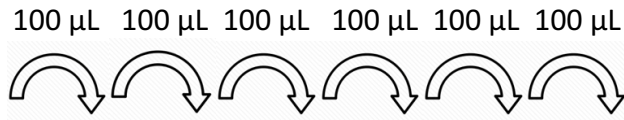


# BIOLOGY 210

# SERIAL DILUTIONS

10-fold dilution = 1:9 ratio = (100 μL stock) / (900 μL water)

Stock :



Water :

Total Volume :

Dilution :

Dilution :

STOCK	900μL	900μL	900μL	900μL	900μL	900μL
Total Volume :	1000μL	1000μL	1000μL	1000μL	1000μL	1000μL
Dilution :	$10^{-1}$	$10^{-2}$	$10^{-3}$	$10^{-4}$	$10^{-5}$	$10^{-6}$
Dilution :	10-fold	100-fold				

4-fold dilution = 1:3 ratio = (100 μL stock) / (300 μL water) = (250 μL stock) / (750 μL water)

Stock :

100 μL



250 μL



Water :

Total Volume :

300 μL

400 μL

750 μL

1000 μL



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