

5. How many moles of iron did you add if you put 6g into 600ml?
(FW iron = 55.85)

6. You have a stock solution of 500X TAE. You need 600mL of 1X TAE. How much of the stock solution will you use?

7. How many grams of sodium acetate would you add to 100mL of H₂O to make a 3M solution? (FW sodium acetate = 82.03)

8. You need 100mL of 10% salt water. (FW NaCl is 58.44). How many grams do you need?

9. If you dissolve 3.2 grams of glycine (Fw = 75.07) in 125 mL of water, what is the final molarity of the solution?

10. If the radius of the rotor of your centrifuge is 5 cm and your are spinning the sample at 1000 revolutions per minute (RPM), how many times gravity is the force on your sample?