**Test 2—Solutions Review Sheet Answers**

Serological Pipets: These measurements reflect a “normal” reading☺

8.40 3.10 1.760 0.860

Conversions and equipment used:

1. 79 ml/graduated cylinder 6. 3,640mg/tabletop
2. .00172ml/P-20 7. 85µl/P-100
3. 300µl/P-1000 8. 1,223µl/5ml pipet
4. .00922g/analytical 9. 190,000µg/tabletop
5. .841mg/analytical

Vocab: look them up in your notes☺

1. 185.5g HCl
2. 20g NaOH
3. 2.5g gelatin
4. 1.6 mg protein
5. 417ml 90%ethanol
6. 50ml 1X TAE buffer
7. 10ml TBE buffer
8. 0.4g NaOH
9. b. volume
10. Liter(L) milliliter(ml) microliter(µl)
11. 1000µl
12. 600ml
13. c. micropipette
14. a. graduated cylinder
15. b. pipet(technically the best)
16. 7.5µl= 7500ml 80µl=.08ml
17. c. 250µl
18. d. 0.0025ml
19. NEVER: invert, use without tips, submerge in water, dial above or below range, drop, remove your earwax, pick your nose, use in a waterfight, baste a turkey, polka dot paint, use as a baton in a relay race, use as a toothpick, test terminal velocity, incinerate
20. Refer to diagram in notes
21. Dispense final volume/ejected small amount of air
22. TAE, TBE, TRIS
23. Proteins
24. Purple
25. water-solvent NaOH-solute CuSO4-solute Biuret-solution
26. NaOH
27. Add solute first, then fill to desired volume