

Answers to sample finals.

2011. 1. B 2. B 3. B 4. A 5. B 6. C 7. C 8. A 9. B 10. B

11. B 12. B 13. A 14. C 15. B 16. B 17. B 18. D 19. D 20. A

21. D 22. C 23. C 24. C 25. A 26. B 27. B 28. C 29. D 30. B

31. B 32. A 33. C 34. B 35. B 36. A 37. B 38. B 39. C 40. B

41. D 42. B 43. B 44. D 45. A 46. A 47. D 48. A 49. C 50. C

51. C 52. A 53. B 54. C 55. B

I. Was a graph

II. Freezing occurred

III. 53 degrees

IV. Dot structures. PH_3 is just like NH_3 . CO_2 has two double bonds, you should know water, and nitrogen has a triple bond.

V. 273 K and 101.3 kPa B. $\frac{101.3 (24.0 \text{ mL})}{273} = \frac{(x)(48.0)}{400}$

x = 74.2 kPa

VI. A. $\text{Ba}(\text{NO}_3)_2$ B. Na_2O C) $\text{Ni}_3(\text{PO}_4)_2$ D) nitrogen triiodide

VII. $\text{AlBr}_3 + 3 \text{AgNO}_3 \rightarrow \text{Al}(\text{NO}_3)_3 + 3 \text{AgBr}$

It is a double replacement