

Name: _____

Block: _____

Date: _____

Chemistry 11

Moles, Molecules and STP Worksheet Key

Assignment

1. 99g CaCl₂
2. 0.5213mol PbSO₄
3. 22.2g HF
4. 5.04mol C₅H₁₂
5. 9.56g SiO₂
6. 0.140mol C₄H₈O₂
7. 102g N₂
8. 0.4201mol KMnO₄
9. 3.5x10²³ atoms Se
10. 11.3mol BaNO₃
11. 1.51x10²⁴ atoms O
12. 8.93mol MgBr
13. 4.14x10²³ formula units AgNO₃
14. 14.0mol C₂H₆
15. 8.91x10²³ formula units NaF
16. 5.3x10²² formula units NaOH
17. 304g C₂H₆
18. 3.8x10²² formula units TiO₂
19. 192g CH₃OH
20. 3.0x10²¹ formula units PbCl₂
21. 693g C₁₀H₂₂
22. 9.9x10²² formula units H₂S
23. 39.9mol air
24. 8.3L N₂
25. 31.0mol O₂
26. 309L CO
27. 0.164mol Ne
28. 19.8L H₂S
29. 4.51mol Ar
30. 3090L HBr or 3.09x10³L HBr