

Part 3: Name the following:21. P_2O_5 _____24. VO_2 _____22. $Zn(NO_3)_2$ _____25. PbS _____23. IO_2 _____**Part 4:** Determine the formula for the following:

26. disilicon hexabromide _____

29. silver acetate _____

27. copper (I) phosphate _____

30. calcium sulfate _____

28. gallium oxide _____

Part 5: Draw the Lewis structure and determine the molecular geometry for each.

	Lewis structure	VSPER Molecular Shape	VSPER Molecular Shape Name
31. PCl_3			
32. CCl_4			

Part 6: Determine if the following bonds are polar or nonpolar

33. H-O

34. N-Cl

35. P-I