

Name: _____

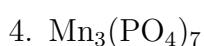
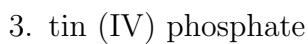
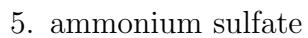
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Bonding & Molecular Geometry Review

For each compound given:

- A. If the formula is given, write the name of the compound.
- B. If the name is given, write the formula of the compound.
- C. If the compound is covalent:

- Draw the Lewis Structure. (Show all resonance structures.)
- Give the hybridization (sp , sp^2 , or sp^3), bond angles, and VSEPR shape around the central atom.
- If the molecule is polar, indicate the polarity with an arrow. If the molecule is non-polar, write “non-polar”.



9. barium nitrate

15. K_3PO_4

10. Hg_2O

16. silver nitrate

11. chromium (VI) dichromate

17. silicon dioxide

12. $ZnCO_3$

18. CO_3^{2-}

13. diphosphorus dibromide

19. the chlorate (polyatomic) ion

14. $CHClO$

20. boron triiodide