

TYPES OF CHEMICAL BONDS

Name _____

Classify the following compounds as ionic (metal + nonmetal), covalent (nonmetal + nonmetal) or both (compound containing a polyatomic ion).

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|-----------------------------|-------|----------------------------|-------|
| 1. CaCl_2 | _____ | 11. MgO | _____ |
| 2. CO_2 | _____ | 12. NH_4Cl | _____ |
| 3. H_2O | _____ | 13. HCl | _____ |
| 4. BaSO_4 | _____ | 14. KI | _____ |
| 5. K_2O | _____ | 15. NaOH | _____ |
| 6. NaF | _____ | 16. NO_2 | _____ |
| 7. Na_2CO_3 | _____ | 17. AlPO_4 | _____ |
| 8. CH_4 | _____ | 18. FeCl_3 | _____ |
| 9. SO_3 | _____ | 19. P_2O_5 | _____ |
| 10. LiBr | _____ | 20. N_2O_3 | _____ |