

AP Chemistry Summer School Solubility Practice and Answer Key

Name _____

Please give the formula & then state whether each one is soluble (S) or insoluble (I).

- | | | | |
|-----|-------------------------|-------|-------|
| 1) | Lead (II) sulfate | _____ | _____ |
| 2) | Calcium nitrate | _____ | _____ |
| 3) | Silver (I) acetate | _____ | _____ |
| 4) | Mercury (II) chloride | _____ | _____ |
| 5) | Barium sulfate | _____ | _____ |
| 6) | Ammonium phosphate | _____ | _____ |
| 7) | Iron (III) hydroxide | _____ | _____ |
| 8) | Sodium oxide | _____ | _____ |
| 9) | Aluminum oxide | _____ | _____ |
| 10) | Magnesium sulfide | _____ | _____ |
| 11) | Zinc (IV) sulfide | _____ | _____ |
| 12) | Aluminum chromate | _____ | _____ |
| 13) | Strontium chromate | _____ | _____ |
| 14) | Ammonium hydroxide | _____ | _____ |
| 15) | Ammonium cyanide | _____ | _____ |
| 16) | Lead (IV) carbonate | _____ | _____ |
| 17) | Copper (II) iodide | _____ | _____ |
| 18) | Nickel (III) sulfate | _____ | _____ |
| 19) | Nickel (III) sulfite | _____ | _____ |
| 20) | Silver (I) chromate | _____ | _____ |
| 21) | Magnesium bromide | _____ | _____ |
| 22) | Chromium (III) chlorate | _____ | _____ |
| 23) | Potassium phosphite | _____ | _____ |
| 24) | Beryllium hydroxide | _____ | _____ |
| 25) | Manganese (V) hydroxide | _____ | _____ |
| 26) | Sodium hydroxide | _____ | _____ |
| 27) | Barium sulfide | _____ | _____ |
| 28) | Zinc (II) dichromate | _____ | _____ |
| 29) | Ammonium oxalate | _____ | _____ |
| 30) | Silver (I) acetate | _____ | _____ |