

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      | _____ | _____ |