SPRING BENCHMARK #1 Review Problems – CHUNK #3

|  |  |  |  |
| --- | --- | --- | --- |
| ***Write and balance the following*** | | | |
| 1 | Beryllium chloride reacts with silver nitrate and make beryllium nitrate and silver chloride | | |
| 2 | C3H8O burns in oxygen. Carbon dioxide and water are produced. | | |
| ***Use the following information to identify the type of reaction, name predicted products, and to write a balanced skeleton equation*** | | | |
| Q# | Type | Reactants | **Names of Predicted Products** |
| 3 | D | potassium chlorate | potassium chloride + oxygen |
| Balanced  Skeleton Eq. | | |
| 4 |  | aluminum nitrate + sodium hydroxide |  |
| Balanced  Skeleton Eq. | | |
| 5 |  | ammonium nitrite | nitrogen + water |
| Balanced  Skeleton Eq. | | |
| 6 |  | iron(III) bromide + ammonium sulfide |  |
| Balanced  Skeleton Eq. | | |
| 7 |  | calcium oxide + diphosphorus pentoxide | calcium phosphate |
| Balanced  Skeleton Eq. | | |
| 8 |  | aluminum + copper (II) chloride |  |
| Balanced  Skeleton Eq. | | |
| 9 |  | bromine + magnesium iodide |  |
| Balanced  Skeleton Eq. | | |
| 10 |  | sodium bicarbonate | sodium oxide + carbon dioxide + water |
| Balanced  Skeleton Eq. | | |
| 11 |  | aluminum + oxygen |  |
| Balanced  Skeleton Eq. | | |
| 12 |  | iron (II) + silver acetate |  |
| Balanced  Skeleton Eq. | | |