First Round	Second Round	Semifinals	Finals	Winner
Sodium acetate				
Potassium thiocyanate				
Potassium carbonate				
Zinc chloride				
Ammonium sulfate				
Potassium permanganate				
Calcium hypochlorite				
Potassium ferricyanide				
Mercurous sulfate				
Titanium dioxide				
Ferric sulfate				
Sodium chlorate				
Cuprous chloride				
Sodium chromate				
Calcium hydroxide				
Potassium phosphate				

Rules

1. First Round — Write formula, most number of atoms in formula unit wins
2. Second Round — Greater number of ions in the formula unit wins
3. Semis — Higher charge on anion wins
4. Finals — The larger molar mass wins