

Compound Vial Activity Lab – Theoretical Data

This data are only to be used if you were absent for the lab or have approval.

Vial	Cation (metal) Symbol and Name	Anion Symbol and Name	Compound Formula	Compound Name	Color of Compound
1				<i>Water</i>	Clear liquid
2			<i>NaHCO₃ (s)</i>		White powder
3			<i>K₂Cr₂O₇ (s)</i>		Orange powder
4				<i>Copper (II) carbonate</i>	Green liquid
5				<i>Sodium acetate</i>	White crystals
6			<i>FeCl₃ (aq)</i>		Orange liquid
7				<i>Sodium bicarbonate</i> (hydrogen carbonate)	Clear liquid with ppt
8				<i>Copper (II) nitrate</i>	Blue liquid
9				<i>Ammonium dichromate</i>	Orange powder
10			<i>Ca(NO₃)₂ (s)</i>		Off-white crystals
11				<i>Iron (III) nitrate</i>	Orange/brown liquid
12				<i>Barium hydroxide</i>	White crystals
13			<i>CuCO₃ (s)</i>		Green powder
14				<i>Nickel (II) chloride</i>	Green liquid
15			<i>Cu(NO₃)₂ (aq)</i>		Blue liquid
16			<i>KI (aq)</i>		Clear liquid
17				<i>Potassium iodide</i>	White powder
18				<i>Potassium permanganate</i>	Grey powder
19			<i>CoCl₂ (s)</i>		Purple crystals
20			<i>Ca(C₂H₃O₂)₂ (s)</i>		White crystals
21				<i>Cobalt (II) chloride</i>	Purple liquid