

ion	Procedures and Obs.	ppt equations
Cl ⁻	Add AgNO ₃ solution <ul style="list-style-type: none"> Precipitate forms 	1. <i>What ion in the AgNO₃ solution reacts with the Cl⁻?</i> <input type="text"/> 2. What compound is formed? <input type="text"/> 3. What solubility rule(s) are used to justify the ppt? <input type="text"/> 4. Write the equation for the formation of this ppt. Include subscripts (aq) + (s) <input type="text"/>
I ⁻	Add AgNO ₃ solution <ul style="list-style-type: none"> Precipitate forms 	1. <i>What ion in the AgNO₃ solution reacts with the I⁻?</i> <input type="text"/> 2. What compound is formed? <input type="text"/> 3. What solubility rule(s) are used to justify the ppt? <input type="text"/> 4. Write the equation for the formation of this ppt. Include subscripts (aq) + (s) <input type="text"/>
Ag ⁺	Add 2 drops dilute NaOH solution <ul style="list-style-type: none"> forms a brown precipitate <i>To confirm (new sample)</i> Add NH ₃ solution <ul style="list-style-type: none"> forms a brown precipitate 	1. <i>What ion in the NaOH solution reacts with the Ag⁺?</i> <input type="text"/> 2. What compound is formed? <input type="text"/> 3. What solubility rule(s) are used to justify the ppt? <input type="text"/> 4. Write the equation for the formation of this ppt. Include subscripts (aq) + (s) <input type="text"/> 5. <i>What ion in the NH₃ solution reacts with the Ag⁺?</i> <input type="text"/> Remember $\text{NH}_3 + \text{H}_2\text{O} \rightarrow \text{NH}_4^+ + \text{OH}^-$ 6. Is this the same ppt reaction as above?

Al^{3+}	<p>Add 2 drops dilute NaOH solution</p> <ul style="list-style-type: none"> forms a white precipitate <p><i>To confirm (new sample)</i></p> <p>Add NH_3 solution</p> <ul style="list-style-type: none"> forms a white precipitate 	<p>1. What ion in the NaOH solution reacts with the Al^{3+}? <input type="text"/></p> <p>2. What compound is formed? <input type="text"/></p> <p>3. What solubility rule(s) are used to justify the ppt? <input type="text"/></p> <p>4. Write the equation for the formation of this ppt. Include subscripts (aq) + (s) <input type="text"/></p> <p>5. What ion in the NH_3 solution reacts with the Al^{3+}? <input type="text"/> Remember $\text{NH}_3 + \text{H}_2\text{O} \rightarrow \text{NH}_4^+ + \text{OH}^-$</p> <p>6. Is this the same ppt reaction as above?</p>
Cu^{2+}	<p>Add 2 drops dilute NaOH solution</p> <ul style="list-style-type: none"> forms a blue precipitate <p><i>To confirm (new sample)</i></p> <p>Add NH_3 solution</p> <ul style="list-style-type: none"> forms a blue precipitate 	<p>1. What ion in the NaOH solution reacts with the Cu^{2+}? <input type="text"/></p> <p>2. What compound is formed? <input type="text"/></p> <p>3. What solubility rule(s) are used to justify the ppt? <input type="text"/></p> <p>4. Write the equation for the formation of this ppt. Include subscripts (aq) + (s) <input type="text"/></p> <p>5. What ion in the NH_3 solution reacts with the Cu^{2+}? <input type="text"/> Remember $\text{NH}_3 + \text{H}_2\text{O} \rightarrow \text{NH}_4^+ + \text{OH}^-$</p> <p>6. Is this the same ppt reaction as above?</p>
Fe^{3+}	<p>Add 2 drops dilute NaOH solution</p> <ul style="list-style-type: none"> forms a brown/orange precipitate 	<p>1. What ion in the NaOH solution reacts with the Fe^{3+}? <input type="text"/></p> <p>2. What compound is formed? <input type="text"/></p> <p>3. What solubility rule(s) are used to justify the ppt? <input type="text"/></p> <p>4. Write the equation for the formation of this ppt. Include subscripts (aq) + (s) <input type="text"/></p>

<p>Pb²⁺</p>	<p>Add 2 drops dilute NaOH solution</p> <ul style="list-style-type: none"> forms a white precipitate <p><i>New sample</i></p> <p>Add 2 drops NH₃ solution</p> <ul style="list-style-type: none"> forms a white precipitate <p><i>New sample.</i></p> <p>Add dilute H₂SO₄ solution</p>	<p>1. <i>What ion in the NaOH solution reacts with the Pb²⁺?</i> <input type="text"/></p> <p>2. What compound is formed? <input type="text"/></p> <p>3. What solubility rule(s) are used to justify the ppt? <input type="text"/></p> <p>4. Write the equation for the formation of this ppt. Include subscripts (aq) + (s) <input type="text"/></p> <p>5. <i>What ion in the NH₃ solution reacts with the Pb²⁺?</i> <input type="text"/> Remember $\text{NH}_3 + \text{H}_2\text{O} \rightarrow \text{NH}_4^+ + \text{OH}^-$</p> <p>6. Is this the same ppt reaction as above?</p> <p>7. <i>What ion in the H₂SO₄ solution reacts with the Pb²⁺?</i> <input type="text"/></p> <p>8. What compound is formed? <input type="text"/></p> <p>9. What solubility rule(s) are used to justify the ppt? <input type="text"/></p> <p>10. Write the equation for the formation of this ppt. Include subscripts (aq) + (s) <input type="text"/></p>
<p>Zn²⁺</p>	<p>Add 2 drops dilute NaOH solution</p> <ul style="list-style-type: none"> forms a white precipitate <p><i>New sample</i></p> <p>Add 2 drops, NH₃ solution</p> <ul style="list-style-type: none"> forms a white precipitate 	<p>1. <i>What ion in the NaOH solution reacts with the Zn²⁺?</i> <input type="text"/></p> <p>2. What compound is formed? <input type="text"/></p> <p>3. What solubility rule(s) are used to justify the ppt? <input type="text"/></p> <p>4. Write the equation for the formation of this ppt. Include subscripts (aq) + (s) <input type="text"/></p> <p>5. <i>What ion in the NH₃ solution reacts with the Zn²⁺?</i> <input type="text"/> Remember $\text{NH}_3 + \text{H}_2\text{O} \rightarrow \text{NH}_4^+ + \text{OH}^-$</p> <p>6. Is this the same ppt reaction as above?</p>