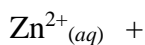
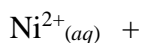
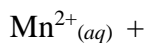
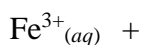
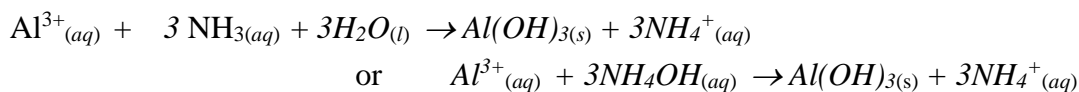


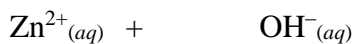
Sample ID _____	Present	Absent		Present	Absent
Aluminum ion	<input type="checkbox"/>	<input type="checkbox"/>	Nickel(II) ion	<input type="checkbox"/>	<input type="checkbox"/>
Iron(III) ion	<input type="checkbox"/>	<input type="checkbox"/>	Zinc ion	<input type="checkbox"/>	<input type="checkbox"/>
Manganese(II) ion	<input type="checkbox"/>	<input type="checkbox"/>			

Complete and balance the following as net ionic equations. The first one has been completed for you. If the reaction takes place in two steps (precipitation, complexation with excess reagent), give each equation. [Hint: Extra space is provided for a possible second reaction.]

### Reactions with ammonium hydroxide



### Reactions with sodium hydroxide



### Other reactions

