

For each reaction, write the proper products. Recall $AB + CD \rightarrow AD + CB$, you MUST type the answers in that order with AD being first or it will mark you wrong.

	Na_2CO_3	NaCl	NaOH	Na_2SO_4	Na_3PO_4	LiNO_3
CaCl_2 *Example only of AD and CB	CaCO_3 + NaCl	+	+	+	+	+
CuSO_4	+	+	+	+	+	+
FeCl_3	+	+	+	+	+	+
$\text{Pb}(\text{NO}_3)_2$	+	+	+	+	+	+
KI	+	+	+	+	+	+
AgNO_3	+	+	+	+	+	+

1. Which of the ions that you are going to use in the lab would be considered cations?

Ag^{1+} Ca^{2+} Cl^{1-} CO_3^{2-} Cu^{2+} Fe^{3+} I^{1-}
 Na^{1+} OH^{1-} Pb^{2+} SO_4^{2-}

2. Which of the ions that you are going to use in the lab would be considered anions?

Ag^{1+} Ca^{2+} Cl^{1-} CO_3^{2-} Cu^{2+} Fe^{3+} I^{1-}
 Na^{1+} OH^{1-} Pb^{2+} SO_4^{2-}

3. Which ion(s) commonly formed precipitates?

Ag^{1+} Ca^{2+} Cl^{1-} CO_3^{2-} Cu^{2+} Fe^{3+} I^{1-}
 Na^{1+} OH^{1-} Pb^{2+} SO_4^{2-}

4. Which ion(s) did not give a visible reaction?

Ag^{1+} Ca^{2+} Cl^{1-} CO_3^{2-} Cu^{2+} Fe^{3+} I^{1-}
 Na^{1+} OH^{1-} Pb^{2+} SO_4^{2-}