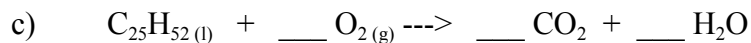
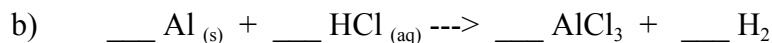
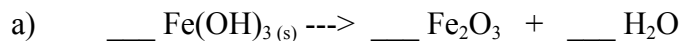


1) Balance the chemical equation for each of the reactions below, then determine its reaction type.



2. Write a balanced chemical equation for each of the reactions described below:

a) Solid sodium carbonate is added to a solution of barium chloride, yielding aqueous sodium chloride and solid barium carbonate.

b) Dinitrogen Pentaoxide is dissolved in and combines with water, forming nitric acid ($\text{HNO}_{3(aq)}$).

c) Magnesium metal replaces iron in aqueous iron (III) chloride to produce a solution of magnesium chloride and solid iron metal

3. Predict the products for the following reactions by **identifying their reaction type**. No need to balance.

