

## Observations:

Initial unknown chloride sample weight (g):

Weight of AgCl precipitate:

Approximate volume of AgNO<sub>3</sub> solution added (ml):

Moles of AgCl = ( AgCl precipitate mass/143.32 ):

Weight of Cl<sup>-</sup> in XCl sample = (moles of AgCl)x(atomic weight of Cl<sup>-</sup> = 35.4527) :

% Cl<sup>-</sup> in sample = (weight of Cl<sup>-</sup> in XCl sample / weight of XCl sample) x 100 % :

What happened as excess AgNO<sub>3</sub> solution was added to the XCl solution ?