**Topic 6 Exercise 5 – Qualitative Analysis**

1. Tests for anions

|  |  |  |  |
| --- | --- | --- | --- |
| Anion | Reagent | Observation | Ionic equation |
| Cl- |  |  |  |
| Br- |  |  |  |
| I- |  |  |  |
| CO32- |  |  |  |
| SO42- |  |  |  |
| OH- |  |  |  |

1. Tests for cations

|  |  |  |  |
| --- | --- | --- | --- |
| Cation | Reagent | Observation | Ionic equation |
| Mg2+ |  |  |  |
| Ca2+ |  |  |  |
| Sr2+ |  |  |  |
| Ba2+ |  |  |  |
| NH4+ |  |  |  |
| H+ |  |  |  |