The City School

**North Nazimabad Boys Campus**

**Second Monthly Test Session 2019 – 20**

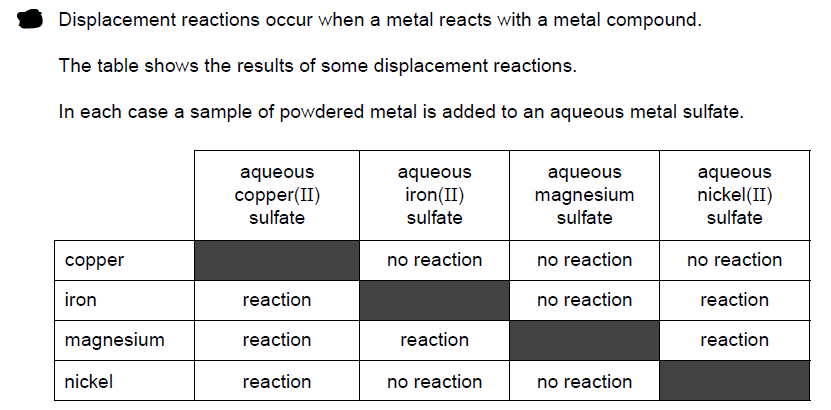
**Class - 11**

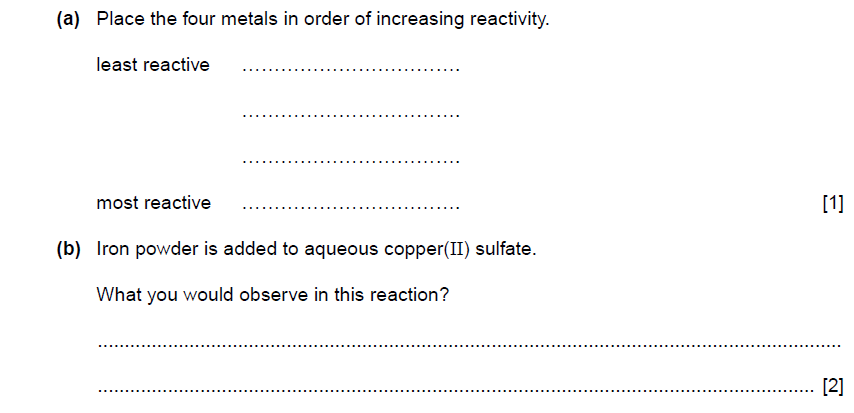
**Time: 35 Minutes Chemistry Marks 25**

**Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Sec: \_\_\_\_\_\_ Date: \_\_\_\_\_\_\_\_\_\_\_\_\_\_**

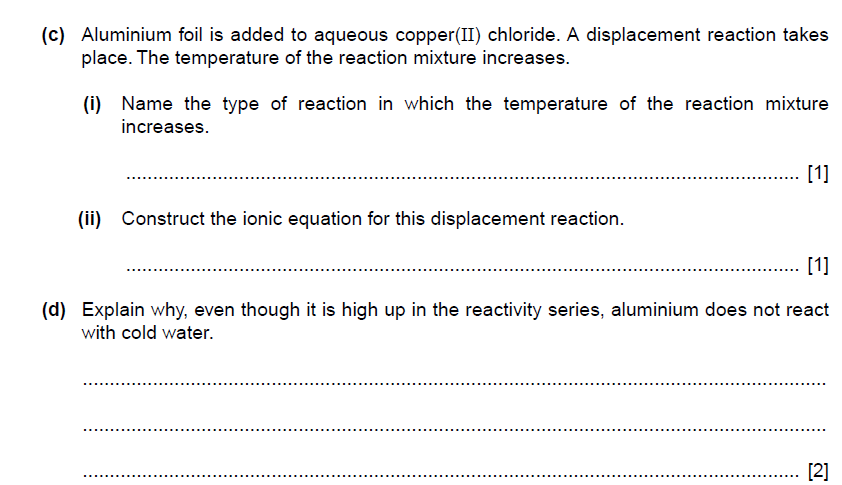
**Paper II (theory)**

**Q.NO#1**



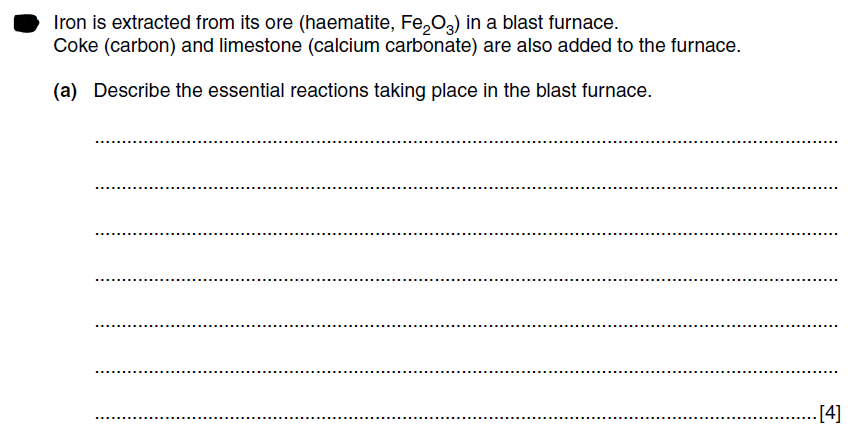


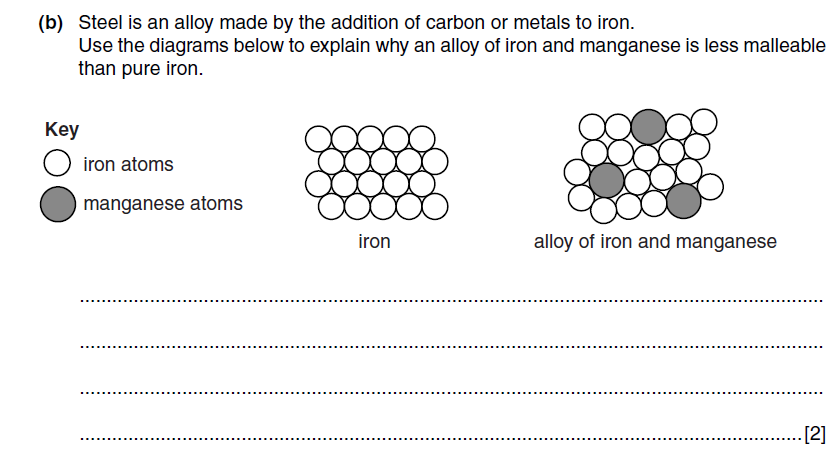
ZZZZ



**[TOTAL MARKS 7]**

**Q.NO #2)**

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**[TOTAL MARKS 6]**

**Q.NO #3 THIS QUESTION FROM ATP**

The mineral alstonite contains two different cations but only one anion.

The table shows the tests a student does on a sample of alstonite.

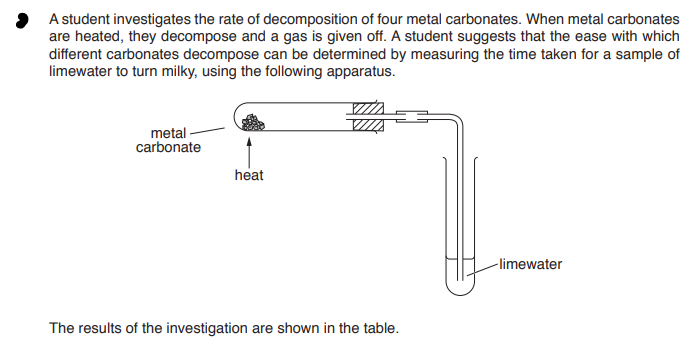
Complete the table. Any gases formed should be named.

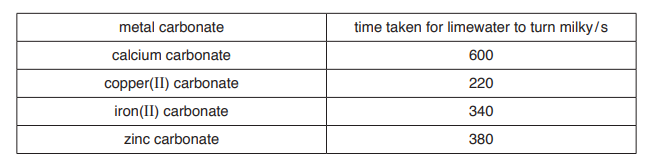
|  |  |  |
| --- | --- | --- |
| test | observations | Conclusions |
| **(a)** To a portion of alstonite  in a boiling tube, add  dilute hydrochloric acid  until all the solid has  dissolved.  Use the resulting  solution in tests **(b)**, **(c)**  and **(d)**. | The solid dissolves.  Effervescence is observed  and the gas formed turns  limewater milky |  |
| **(b)** To a portion of the  solution from **(a)** in a  test-tube, add dilute sulfuric acid. |  | Alstonite contains Ba+2 ions |

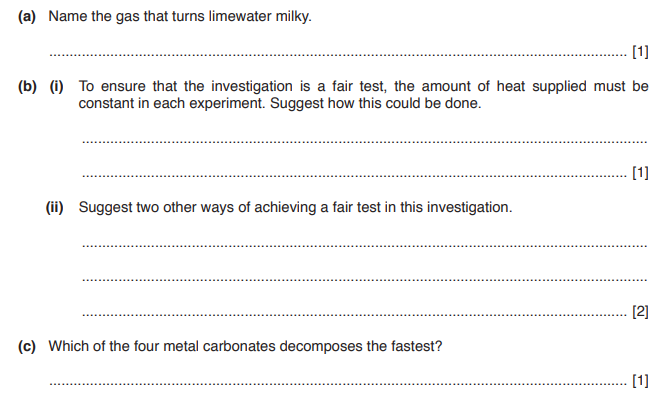
|  |  |  |
| --- | --- | --- |
| **(c)** To a portion of the  solution from **(a)** in a  test-tube, add aqueous  sodium hydroxide until  in excess. |  | Alstonite contain+2 Ca ion |
| **(d)** To a portion of the  solution from **(a)** in a  test-tube, add aqueous ammonia. |  | Alstonite contain Ca+2 ion |

**[Total marks 7]**

**Q.No #4 THIS QUESTION FROM ATP**

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**[total 5 marks]**