**Lab report #1** **|** Lower Secondary Stage (6-8)

1st Semester | 2023-2024

**Name:** \_\_\_\_\_\_\_\_\_\_\_

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| **Subject:** Science/ Chemistry | **Chapter:**4.9 Exploring reactions of acids with metals |
| **Objectives:** Describe reactions between acids and metals. | |

**In this lesson you will investigate reactions of different metals with Diluted HCl followed by a demonstration of the reaction between metals and concentrated HCl.**

1. Diluted HCl with different metals.

Concentration of HCl: \_\_\_\_\_\_\_\_\_

**Record your observation in the table below**

|  |  |
| --- | --- |
| **Metal** | **Observation when metal added** |
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**List metals in order from most reactive to least reactive.**

**How can we test the presence of Hydrogen gas?**

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1. Diluted and concentrated HCl with Magnesium

**Record your observation in the table below**

|  |  |
| --- | --- |
| **Concentration of HCl** | **Observation when metal added** |
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|  |  |

**What conclusions can you make out?**

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**Write an equation for each of the reactions you observed in part 1**

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