

## PRACTICAL ITEM

1. A local Investor wishes to establish a vegetable oil refining in northern Uganda. Hydrogen is required during the processing of these oils to fats to improve their storage life span. There is need for faster production of Hydrogen due to abundant vegetable oils grown. Hydrogen can be produced from an acid and magnesium metal.
- You are provided with magnesium ribbon and KA1 which is a solution of acid A[0.2M], B[0.3M] C[0.45M], D[0.5M], E[0.6], F[1.0]

Hint: The time taken for the gas bubbles to stop forming shows how fast hydrogen is produced from the materials.

### Task

- Plan a scientific investigation on magnesium ribbon using KA1 to a suitable advice to the investor.
- Show how you conducted the investigation
- How did you treat your results?
- Draw possible conclusion(s) from your results.

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