MAKING and TESTING for GASES

OBJECTIVE: Design a lab in which you make and test for the following gases: oxygen, carbon dioxide, hydrogen.

MATERIALS POSSIBLE:

Lab station equipment
Wooden splints
Magnesium
Potassium chlorate
Calcium carbonate
Manganese dioxide
Hydrochloric acid

PROCEDURE: Design an experiment to **make** and **test** for oxygen, carbon dioxide, and hydrogen using only the materials listed.

- Your procedure must include a balanced equation for each reaction, as well as how you expect to test for each gas.
- Your procedure must be approved by the teacher before you can do the experiment. The exact quantities of each of the materials needed for the experiment will be provided on the day of the lab.

OBSERVATIONS: Design a data table in which to organize and present your data. Include a space for additional observations after the data table.

CONCLUSION: Make sure your conclusion includes at least two or more sentences that summarize what you learned and can apply from the experiment.

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