

Teacher's Manual • Unit 7

calcium carbonate (limestone)

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iron filings

sulfur (flowers or powdered)

a test tube

a test-tube holder

a propane torch

a 6-volt battery

a large beaker or similar container

a support stand

two test tubes

stainless steel electrodes (pieces of stainless steel spoon handle soldered to insulated copper wire with exposed copper and connection coated with paraffin) Platinum electrodes are better and can be purchased from a laboratory supply company.

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mercuric oxide

a test tube

a test-tube holder

a propane torch

The equipment and directions for the production of oxygen is given in the laboratory manual for Unit Eight. You may want to wait to perform this demonstration until the study of oxygen.

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sodium carbonate (washing soda)

vinegar

a beaker or similar container