

## THE PREPARATION OF OXYGEN FROM HYDROGEN PEROXIDE AND POTASSIUM IODIDE

- Chemicals:**
1. 1.5 L of 6% hydrogen peroxide. Dilute 260 mL of 35% hydrogen peroxide to a total of 1500 mL. Divide into 6 bottles labeled "6% hydrogen peroxide".
  2. Beaker containing about 20 g of potassium iodide (labeled "potassium iodide")
  3. Oxygen tank
  4. Concentrated ammonia

- Equipment:**
1. 12 — 250 mL filtration flasks
  2. 14 — 600 mL beakers
  3. 14 — ring stands
  4. 12 — test tube clamps
  5. 12 — large test tubes (25 x 250 mm)
  6. 0.01 g electronic balance
  7. 12 — 50-60 cm pieces of rubber tubing to fit side arm of filtration flask
  8. 12 — rubber stoppers to fit top of filtration flasks
  9. 12 — bunsen burners
  10. 12 — flint strikers
  11. 12 — wooden splints
  12. 2 — large rings
  13. 2 — 500 mL florence flasks
  14. 2 — 2-hole rubber stoppers to fit florence flasks
  15. 2 — medium dropping pipettes
  16. 2 — 35 cm lengths of glass tubing to fit 2-hole stoppers