

Equipment and Chemicals for Science 10 Lab
THE PREPARATION OF THE ELEMENT IODINE

- Chemicals:**
1. Beaker containing about 30 g of potassium iodide (labeled "Potassium Iodide")
 2. Beaker containing about 20 g of manganese dioxide (labeled "Manganese (IV) Oxide")
 3. 4 dropping bottles , each with about 10 mL concentrated phosphoric acid (labeled "Phosphoric Acid")
 4. 4 dropping bottles, each with about 20 mL of hexane (labeled "Hexane")
 5. 2 dozen ice cubes

- Equipment:**
1. bunsen burners
 2. flint strikers
 3. ring stands
 4. large rings
 5. gauze heating pads
 6. 100 mL beakers
 7. 10 mL graduated cylinders
 8. small test tubes
 9. test tube holders
 10. watch glasses to cover top of 100 mL beakers
 11. weighing boats
 12. 2 automatic balances (0.01 g)
 13. stirring rods
 14. latex gloves

NOTE: LAB REQUIRES USE OF FUME HOODS