Assignment 8

For this lab due to the safety of the equipment, you must be in a lab coat, lab gloves, and safety goggles. You will be expected to complete the following assignments.

1. Prepare a solution of 100 mL of 0.1 M potassium nitrate (KNO3).
2. Measure 50 mL of 0.5 M sodium chloride (NaCl).
3. Add 20 mL of 1 M hydrochloric acid (HCl) to 30 mL of 1 M sodium hydroxide (NaOH).
4. Obtain 10 mL of 0.1 M calcium chloride (CaCl2) and 10 mL of 0.1 M magnesium chloride (MgCl2). Mix these two solutions together.
5. Prepare a 100 mL solution of 0.01 M copper(II) nitrate (Cu(NO3)2).
6. Add 10 mL of 1 M sodium hydroxide (NaOH) to 10 mL of 1 M hydrochloric acid (HCl).
7. Dissolve 5 g of copper(II) sulfate (CuSO4) in 100 mL of water.
8. Obtain 10 mL of 0.1 M silver nitrate (AgNO3) and 10 mL of 0.1 M potassium bromide (KBr). Mix these two solutions together.
9. Prepare a solution of 100 mL of 0.1 M ammonium chloride (NH4Cl).
10. Add 20 mL of 1 M sodium hydroxide (NaOH) to 30 mL of 1 M hydrochloric acid (HCl).

Due on 2023-10-15, 23:59 UTC