1. Which hazards are associated with copper(II) sulfate?
   □ flammable
   □ carcinogenic
   □ corrosive
   □ toxic
   □ irritant

2. What action should you take if you spill these materials on yourself?

3. Select the correct answer that completes the sentence below:
   Waste solutions containing copper are to be...
   □ flushed down the sink.
   □ disposed of in the bottle for waste copper ion once the work is complete.
   □ ignored. No waste will be generated in this experiment.
   □ returned to the bottle containing 0.5 M copper sulfate solution.
   □ dumped in a beaker labeled "waste copper" on one’s bench during the experiment.

4. Volumes obtained with volumetric flasks, pipets, and burets are recorded to the nearest __________ mL.
   □ 1
   □ 0.1
5. Absorbances should be recorded to which place value?
   - 1
   - 0.1
   - 0.01
   - 0.001

6. The balances in the lab measure to which place value?
   - 1
   - 0.1
   - 0.01
   - 0.001
   - 0.0001

7. What formula is used to determine the concentration of a solution when it is diluted?

8. Define the terms in the formula: \( A = \varepsilon l c \). What are the units of each term?
   a) \( A = \)
   b) \( \varepsilon = \)
   c) \( l = \)
   d) \( c = \)

9. Please describe two ways to prepare a solution of known concentration.