

Electrochemistry Pre-lab

1. How will the MeasureNet system be used for the purpose of this experiment?
2. Figure 1 in the lab manual shows a voltaic cell, what is the equation for the reaction?
3. Instead of an expensive salt bridge what will be used in lab?
4. After cleaning the metal strips with an abrasive pad what should they be rinsed with?
5. After the voltmeter is connected to the Cu-Zn cell should the voltage reading be positive or negative?
6. Where must the waste containing Cu be put for disposal?
7. What solutions are allowed down the sink?
8. How much CuSO_4 will be added to the 50 mL beaker?
9. Why dose the lab manual request that only Zn-Cu cells be used when you design your own procedure?
10. Why is CuSO_4 blue?
11. The hydrated ion can be converted to the ammoniated ion by adding what?