Drawing Cell Diagrams

Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Drawing Cell Diagrams**

Draw complete diagrams of the following voltaic cells (include: electrolyte components; ion flows; electron flow; all half & net reaction equations; Eºcell; anode/cathode evidence of reaction; anode/cathode labels & charges. For clarity's sake use a salt bridge not a porous cup/pot.

a. Cu(s) | Cu2+(aq) || Ag+(aq) | Ag(s)

b. Sn(s) | Sn2+(aq) || Fe2+(aq) | Fe(s)

c. Cd(s) | Cd2+(aq) || H+(aq), NO3–(aq) | Pt(s)

d. Al(s) | Al3+(aq) || Na+(aq), Cl–(aq), O2(g), H2O(l) | Pt(s)