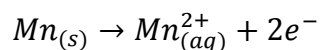
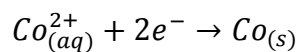


### Exercise 9.3

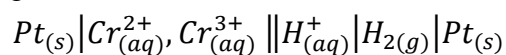
#### Electrochemical Cells: Components and Cell Notation

1. The half-reactions for an electrochemical cell are written below. There is a salt bridge connecting the two half-cells.



- (a) Identify the cathode.
- (b) Identify the anode.
- (c) Describe this cell using abbreviated standard notation (include phases).
- (d) Sketch this cell, labeling all essential components.

2. Consider the following cell:



- (a) Write the overall reaction for this cell.
- (b) Sketch this cell, labeling all essential components.