Instructions: Use the equations to answer the following questions.

- 1) NbO<sub>2</sub> + W  $\rightarrow$  Nb + WO<sub>4</sub><sup>2-</sup>
  - a) Write BOTH half reactions.

b) Balance the redox reaction in acidic conditions.

- c) Balance the redox reaction in basic conditions.
- 2)  $I_2 + OCI^{-1} \rightarrow IO_3^{-1} + CI^{-1}$ 
  - a) Write the BOTH half reactions.

b) Balance the redox reaction in acidic conditions.

c) Balance the redox reaction in basic conditions.

- 3) As +  $CIO_3^{-1} \rightarrow H_3AsO_3 + HCIO$ 
  - a) Write the BOTH half reactions.

b) Balance the redox reaction in acidic conditions.

c) Balance the redox reaction in basic conditions.