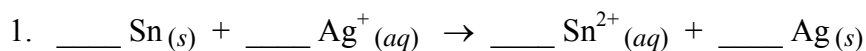


For each reaction, identify the element that is *reduced*, the element that is *oxidized*, the *reducing agent*, the *oxidizing agent*, the *reduction half-reaction*, the *oxidation-half reaction*, and then *balance* the chemical equation by half-reactions showing a balance of *electrons transferred*. **Show all work.**

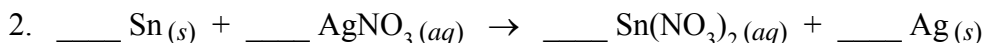


Element reduced: _____ Element oxidized: _____

Reducing agent: _____ Oxidizing agent: _____

Reduction half-reaction: _____

Oxidation half-reaction: _____

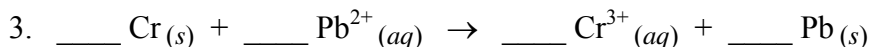


Element reduced: _____ Element oxidized: _____

Reducing agent: _____ Oxidizing agent: _____

Reduction half-reaction: _____

Oxidation half-reaction: _____

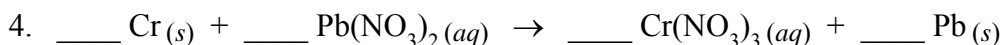


Element reduced: _____ Element oxidized: _____

Reducing agent: _____ Oxidizing agent: _____

Reduction half-reaction: _____

Oxidation half-reaction: _____

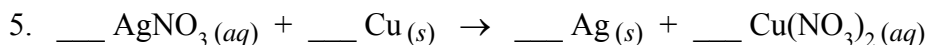


Element reduced: _____ Element oxidized: _____

Reducing agent: _____ Oxidizing agent: _____

Reduction half-reaction: _____

Oxidation half-reaction: _____

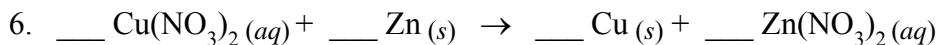


Element reduced: _____ Element oxidized: _____

Reducing agent: _____ Oxidizing agent: _____

Reduction half-reaction: _____

Oxidation half-reaction: _____

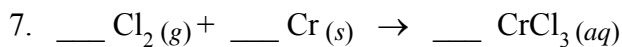


Element reduced: _____ Element oxidized: _____

Reducing agent: _____ Oxidizing agent: _____

Reduction half-reaction: _____

Oxidation half-reaction: _____

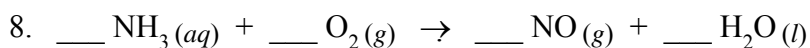


Element reduced: _____ Element oxidized: _____

Reducing agent: _____ Oxidizing agent: _____

Reduction half-reaction: _____

Oxidation half-reaction: _____

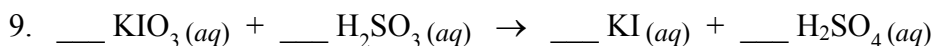


Element reduced: _____ Element oxidized: _____

Reducing agent: _____ Oxidizing agent: _____

Reduction half-reaction: _____

Oxidation half-reaction: _____

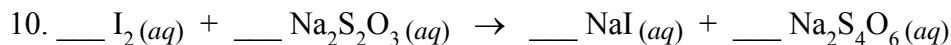


Element reduced: _____ Element oxidized: _____

Reducing agent: _____ Oxidizing agent: _____

Reduction half-reaction: _____

Oxidation half-reaction: _____



Element reduced: _____ Element oxidized: _____

Reducing agent: _____ Oxidizing agent: _____

Reduction half-reaction: _____

Oxidation half-reaction: _____