

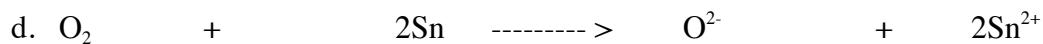
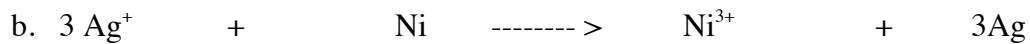
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Chemistry 12
INTRO TO REDOX REACTIONS

1. Define the following:

- Oxidation
- Reduction
- Oxidizing Agent
- Reducing Agent

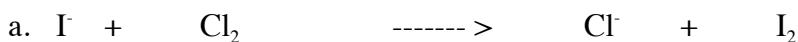
2. Label the species that is reduced, that is oxidized, the reducing agent and the oxidizing agent.



3. In question 2a, which species loses electrons? _____

4. In question 2b, which species gains electrons? _____

5. In each of the following reactions, identify the oxidizing agent and the reducing agent.

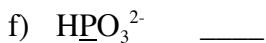
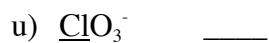
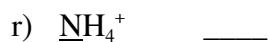
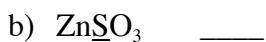
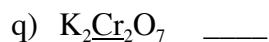


Oxidizing agent _____ Reducing agent _____



Oxidizing agent _____ Reducing agent _____

6. State the oxidation number of each of the elements that is underlined.



7. What is the oxidation number of carbon in each of the following substances?



8. Determine if each of the following changes is oxidation, reduction or neither.

