

Name: _____

Date: _____

Notes: Oxidation and Reduction

What happens to the electrons of *metals*? _____

What type of charge do *metal* ions have? _____

Define **oxidation**: _____

What happens to the electrons of *nonmetals*? _____

What type of charge do *nonmetal* ions have? _____

Define **reduction**: _____

What is true of oxidation and reduction? _____

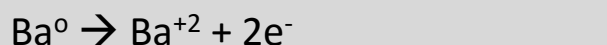
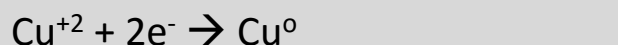
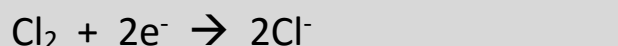
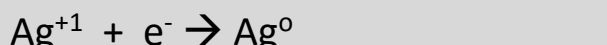
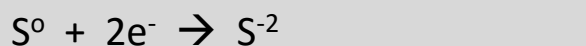
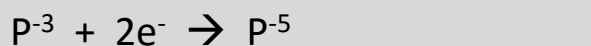
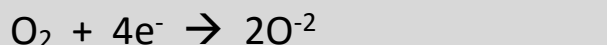
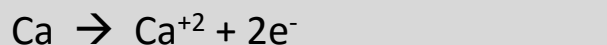
What makes a reaction qualify as an oxidation-reduction reaction?

What other name are oxidation-reduction reactions known by? _____

What are the characteristics of a **reduction half-reaction**? _____

What are the characteristics of an **oxidation half-reaction**? _____

For each of the half-reactions shown below, determine if they represent oxidation or reduction.



Type of reaction: _____

Description of Reaction: _____

Type of reaction: _____

Description of Reaction: _____

For each of the reactions on your notes, determine if the reaction is a *synthesis* or a *decomposition* reaction.



Type of reaction: _____

Description of Reaction: _____

Example: _____

What does the *activity series* show? _____

Where are the most reactive metals found? _____

Type of reaction: _____

Description of Reaction: _____

When would this type of reaction not happen? _____

Decide if each reaction will happen (YES) or will not happen (NO) based on the activity series.

