

Classical Idea of Redox Reactions- Oxidation and Reduction Reactions MCQs with FREE PDF

1. Reduction involves in _____ oxidation number.

- a) decrease
- b) increase
- c) independence
- d) remain constant

Answer: decrease

2. Formation of copper from copper iron is an example of a reduction.

- a) true
- b) false

Answer: true

3. Oxidation is the same as _____

- a) addition of hydrogen
- b) removal of oxygen
- c) addition of oxygen
- d) removal of Nitrogen

Answer: addition of oxygen

4. Formation of zinc sulphide is an example of _____

- a) reduction
- b) oxidation
- c) removal of oxygen
- d) addition of hydrogen

Answer: oxidation

5. $\text{SnCl}_2 + 2\text{FeCl}_2 \rightarrow \text{SnCl}_4 + 2\text{FeCl}_3$ is an example of _____ reaction.

- a) only oxidation
- b) only reduction
- c) redox
- d) neither oxidation nor reduction

Answer: redox

6. $\text{SnCl}_2 + 2\text{FeCl}_2 \rightarrow \text{SnCl}_4 + 2\text{FeCl}_2$. Which of the following element undergoes oxidation in the reaction given?

- a) iron
- b) tin
- c) chlorine
- d) ferrous

Answer: tin

7. Which of the following do you think is a correct statement?

- a) oxidation is caused by a reducing agent
- b) the oxidation reaction is a Redox reaction
- c) addition of electropositive element is a type of oxidation
- d) reduction is the addition of hydrogen

Answer: reduction is the addition of hydrogen

8. In the reaction of formation of magnesium oxide magnesium undergoes _____

- a) reduction
- b) oxidation
- c) hydrogenation
- d) decomposition

Answer: oxidation

9. A zinc ion is formed due to oxidation.

- a) true
- b) false

Answer: true

10. Removal of oxygen from a compound is an example of _____

- a) oxidation
- b) reduction
- c) oxygenation
- d) dehydrogenation

Answer: reduction