

Assessment

Chemistry: Lesson 15



Neutralization reactions always produce:

- A) Acids
- B) Water
- C) Bases
- D) Salt
- E) Both water and salt

The oxidation number of an element in the free or uncombined state is always

- A. 0.
- B. +1.
- C. -1.
- D. the same as its ionic charge.

A substance is reduced if it

- A. Lose electrons.
- B. gains hydrogen atoms.
- C. **gains electrons.**
- D. None of these

All of the following can have an oxidation number of +4 except

- A. carbon.
- B. calcium.
- C. silicon.
- D. lead.

Oxidation is shown by which of these changes in oxidation states?

A) 0 to 2+

B) 5+ to 3+

C) 3+ to 0

D) 0 to 2-

Which of the following shows an oxidation?



Question 7

If one element is oxidized, another one is reduced.

A. True

B. False

Question 8

In $\text{N}_2 + \text{O}_2 \longrightarrow \text{N}_2\text{O}_4$, nitrogen is reduced.
0 0 +4 -2

- A. True
- B. False