

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.

Question 5

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-

Question 6

Which of the following shows an oxidation?

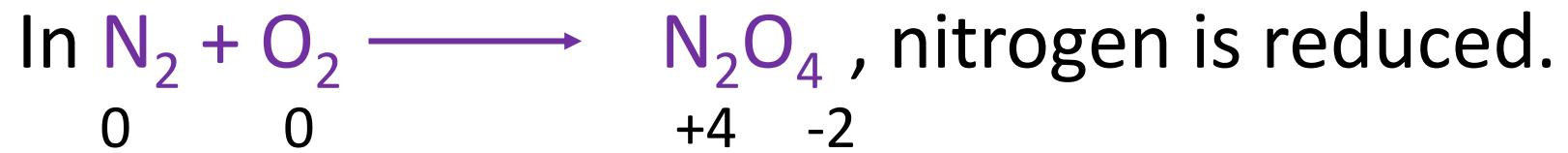
- A) O_2 to O^{2-}
- B) Cl_2 to Cl^{1-}
- C) N^{3+} to N_2
- D) H_2 to H^{1+}

Question 7

If one element is oxidized, another one is reduced.

- A. True
- B. False

Question 8



- A. True
- B. False