

Assessment

Chemistry: Lesson 09



Question 1

Calcium and oxygen in a compound should have the formula:

- A. Ca_2O
- B. CaO
- C. CaO_2
- D. Ca_2O_2

Question 2

Carbon tetrafluoride should have the formula _____.

A. CF_4

B. CF

C. C_4F

D. CF_2

Question 3

Aluminum with nitrogen is a compound with the formula _____.

A. Al_3N_3

B. Al_3N

C. AlN_3

D. AlN

Question 4

Which pair of elements should form an ionic compound?

- A. Mg and Ca
- B. K and S
- C. N and O
- D. P and Cl

Question 5

Na_2O is the formula for which compound?

- A. sodium oxide
- B. sodiu (I) oxide
- C. sodium(II) oxide
- D. sodium oxate

Question 6

The correct name for the acid HI is _____ acid.

- A. hydrogen iodate
- B. Hydroiodic
- C. hydrogen iodite
- D. hydrogen iodide

Question 7

The compound H_2S is named “sulfuric acid”.

- A. True
- B. False

Question 8

SO_4^{2-} is a polyatomic ion.

- A. True
- B. False

Question 9

Which pair of elements should form a molecular compound?

- A. Na and Br
- B. Fe and Cl
- C. S and O
- D. K and Ca

Question 10

Which of the following is a polyatomic ion?

- A. S^{2-}
- B. O_2
- C. OH^-
- D. Al^{3+}