

Assessment 05



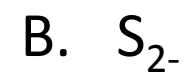
Question 1

Which of the following is a cation?

- A. +1 charge
- B. -1 charge
- C. 0 charge
- D. -2 charge

Question 2

Which of the following is correct for an anion?



Question 3

Mendeleev arranged elements in the periodic table according to:

- A. number of protons
- B. number of electrons
- C. mass
- D. volume

Question 4

A family of elements is the same as a:

- A. horizontal row
- B. group of metals
- C. group of nonmetals
- D. vertical column

Question 5

Which best describes metals?

- A. good conductors and cations
- B. good conductors and anions
- C. poor conductors and cations
- D. poor conductors and anions

Question 6

The symbol for sodium is:

- A. S
- B. So
- C. N
- D. Na

Question 7

The atom ${}^{19}_9\text{F}$ has _____.

- A. 9 protons and 19 neutrons
- B. 9 electrons and 19 neutrons
- C. 10 protons and 10 neutrons
- D. 9 protons and 10 neutrons

Question 8

The dark step-like line in the periodic table separates _____

- A. "A" from "B" elements
- B. metals from nonmetals
- C. nonmetals from inert gases
- D. I-A from II-A elements

Question 9

The halogens are represented in group _____ of the periodic table.

- A. I-A
- B. II-A
- C. VI-A
- D. VII-A

Question 10

Element X has a molar mass of 30, and element Y has a molar mass of 50. Which of the following masses has a greater number of moles?

- A. 30 g of X
- B. 50 g of X
- C. 30 g of Y
- D. 50 g of Y