

Chemistry: Lesson 04

Assessment



Question 1

The modern atomic theory was proposed by

- A. Lavoisier
- B. Democritus
- C. Proust
- D. Dalton

Question 2

The fact that all water molecules have a hydrogen : oxygen ratio of 2:1 is a representation to the Law of _____.

- A. Definite Proportions
- B. Multiple Proportions
- C. Conservation of Matter
- D. Atomic Structure

Question 4

The charge on an electron was discovered by:

- A. Dalton
- B. Democritus
- C. Lavoisier
- D. Millikan

Question 5

Thomson's "plum-pudding" model of an atom had which particles together?

- A. proton and electron
- B. proton and neutron
- C. neutron and electron
- D. only protons

Question 6

The total mass of an atom comes almost entirely from:

- A. protons and electrons
- B. protons and neutrons
- C. neutrons and electrons
- D. only protons

Question 7

Which is true about electrons?

- A. They have a positive charge
- B. They are in the nucleus
- C. They have a mass of 1 amu
- D. They are outside the nucleus

Question 8

Rutherford's atomic model had protons in the nucleus and electrons on the outside but did not include neutrons in the model.

A. True

B. False

Question 9

The fluorine atom ${}^9\text{F}_{19}$ 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 10

If the atomic number and the mass number are not the same, the smaller one is the mass number.

A. True

B. False