

Chemistry Quiz: Trivia Questions and Answers

1. How atoms and molecules interact via chemical bonds?

- An interaction between two atoms, which involves the sharing of one or more electrons to help each atom satisfy the octet rule.
- A link or force between neighboring atoms in a molecule or compound.
- An attraction between two ions used to create an ionic compound.

2. Who have developed a law of conservation of mass?

- Antoine Laurent Lavoisier
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- Laurent Lavoisier

3. The particular number of protons in the nuclei of its atom is known as

- Mass numbe
- Atomic number
- Element

4. What is the name of standard presentation of the chemical elements?

- Elements Order
- Periodic table
- Periodic trends

5. What is molecule?

- Valence electrons
- Electrically neutral units
- Atoms bound together by covalent bonds

6. What is the name of the things that do not split up during acid-base reactions?

- hydroxide (OH^-) and phosphate (PO_4^{3-}).
- Polyatomic ions
- Na^+ and Cl^- ions

7. Which energy is an attribute of a substance as a consequence?

- Chemical transformation
- Atomic, molecular or aggregate structure
- Increase or decrease of energy

8. What will be the chemical reaction in the formation or dissociation of molecules?

- Breaking apart to form two or more smaller molecules
- Rearrangement of atoms within molecules
- Rearrangement of atoms across molecules

9. Which methods can be used to measure the Acid strength?

- Arrhenius definition of acidity and Bronsted–Lowry definition
- Acid dissociation constant (K_a)
- Hydronium ion concentration

10. What is the current model of atomic structure?

- The Quantum mechanical model
- The interactions, reactions and transformations
- Study of the elementary particles

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Right answers

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