

Find inspiring leisure ideas !



Chemistry Quiz - Questions and Answers

Questions

1. How many atoms make up a molecule of water?

- a) 2
- b) 3
- c) 4
- d) 6

2. What color is iodine when dissolved in water?

- a) Red
- b) Green
- c) Yellow
- d) Brown

3. What is combustion from a chemical point of view?

- a) Substance is split into atoms
- b) Substance changes its state of aggregation to gaseous
- c) Substance reacts with hydrogen
- d) Substance reacts with oxygen

4. Which of the following elements is not a noble gas?

- a) Helium
- b) Neon
- c) Krypton
- d) Fluorine



Find inspiring leisure ideas !

5. After which element is the state of Argentina named?

- a) Platinum
- b) Gold
- c) Silver
- d) Iron

6. Which of the following elements is not radioactive?

- a) Lutetium
- b) Uran
- c) Neptunium
- d) Plutonium

7. Which element is the most important in organic chemistry?

- a) Carbon
- b) Hydrogen
- c) Nitrogen
- d) Oxygen

8. What is the name of the chemical compound NH3?

- a) Formaldehyde
- b) Ammonia
- c) Ethanol
- d) Methane

9. What is the chemical formula and scientific name for common table salt?

- a) KMnO4 potassium permanganate
- b) AgNO3 silver nitrate
- c) BaSO4 barium sulphate
- d) NaCl sodium chloride

10. A solution with a pH of 5.0 is...?

- a) Strongly alkaline
- b) slightly basic
- c) neutral
- d) slightly acidic

© Schmidt & Obermann GbR



Find inspiring leisure ideas !

11. What is characteristic of the alcohol group of substances?

- a) A double carbon bond
- b) An OH group
- c) Annular structure
- d) Polymeric structure

12. What special form of bonding exists between water molecules, among others?

- a) Hydrogen bonding
- b) Ionic bond
- c) Metallic bond
- d) Coordinative bond

13. Chemically, a diamond is ...?

- a) Silicon dioxide (SiO2)
- b) crystal of pure carbon (C)
- c) aluminum trioxide (Al2O3)
- d) crystal of pure iron (Fe)

14. In chemistry, what property is called electronegativity?

- a) The ability of an atom to attract pairs of electrons to itself in a chemical compound
- b) The charge of an electron
- c) The sum of the charges of all the electrons on the outermost shell of an atom
- d) The number of electrons a positively charged ion lacks to be electrically neutral

15. When was the periodic table of the elements discovered or developed as an ordering scheme?

a) 1698 b) 1733 c) 1869 d) 1902



Find inspiring leisure ideas !

Answers

- 1. How many atoms make up a molecule of water?
 - b) 3 Two hydrogen atoms and one oxygen atom: $\ensuremath{\text{H}}_2\ensuremath{\text{O}}$

2. What color is iodine when dissolved in water?

- d) Brown
- 3. What is combustion from a chemical point of view?
 - d) Substance reacts with oxygen

4. Which of the following elements is not a noble gas?

- d) Fluorine belongs to the group of halogens
- 5. After which element is the state of Argentina named?
 - c) Silver Latin name: Argentum
- 6. Which of the following elements is not radioactive?
 - a) Lutetium

7. Which element is the most important in organic chemistry?

a) Carbon - with a few exceptions, organic chemistry includes all carbon compounds

8. What is the name of the chemical compound NH3?

b) Ammonia

9. What is the chemical formula and scientific name for common table salt?

d) NaCl - sodium chloride

www.abenteuerfreundschaft.de/en



Find inspiring leisure ideas !

10. A solution with a pH of 5.0 is...?

d) slightly acidic - The pH scale goes from 0-14, with 0 being maximally acidic, 7 neutral and 14 maximally basic/alkaline.

11. What is characteristic of the alcohol group of substances?

b) An OH group - Ethanol, the drinking alcohol, for example, has the molecular formula C2H5OH

12. What special form of bonding exists between water molecules, among others?

a) Hydrogen bonding

13. Chemically, a diamond is ...?

b) crystal of pure carbon (C)

14. In chemistry, what property is called electronegativity?

a) The ability of an atom to attract pairs of electrons to itself in a chemical compound

15. When was the periodic table of the elements discovered or developed as an ordering scheme?

c) 1869 - and independently and almost simultaneously by the Russian chemist Dmitri Mendeleev and the German Lothar von Meyer