



سری سوال : یک ۱

زمان آزمون (دقیقه): تستی : ۱۰۰ تشریحی : ۰

تعداد سوالات : تستی : ۳۰ تشریحی : ۰

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عنوان درس : زبان تخصصی، زبان تخصصی شیمی

رشته تحصیلی / کد درس : شیمی گرایش محض، شیمی (کاربردی) (۱۱۴۰۲۸ - شیمی (شیمی محض)، شیمی (شیمی تجزیه)، شیمی (شیمی آلی)، شیمی

شیمی فیزیک)، شیمی (شیمی معدنی) (۱۲۱۲۱۸۰)

1-The symbolic language of chemistry is the expression of chemical phenomena in terms of

1. chemical symbols
2. chemical symbols and mathematical equations
3. mathematical equations
4. the microscopic level

2-All sciences, such as medicine and various fields of economical activity, have.....in chemistry.

1. concepts
2. composition
3. routes
4. models

3-Acids also are electrolytes. Unlike salts, they are molecular compounds in the pure state but form ions when they

1. dissolution
2. disosiation
3. unsolved
4. dissolve

4-Anything that has mass and takes up space is matter. This is the easiest.....of it.

1. property
2. definition
3. mixture
4. particle

5-The energy a body possesses, due to its motion is called energy.

1. kinetic
2. potential
3. electromagnetic
4. joule

6-..... has magnitude and direction and a force can change both, simultaneously.

1. velocity
2. acceleration
3. pressure
4. speed

7-In a chemical reaction, atoms are neither created nor destroyed but partners.

1. identifies
2. proves
3. exchange
4. investigate

8-Atoms have an internal structure, by investigating it we result how one element differs from another. It here refers to:

1. internal structure
2. one element
3. investigating
4. electrons

9-Matter consists of almost..... tiny particles that the smallest one is called an atom.

1. differently
2. potentially
3. laboriously
4. unimaginably

10-For each electron outside the nucleus, there must be a positively charged particles inside it.

1. evacuating
2. surrounding
3. matching
4. honor

11-Is there a.....difference in some physical and chemical properties of hydrogen isotopes?

1. noticeable
2. variation
3. occasion
4. element



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12- When one of the accelerated electrons..... with an atom does it knock another electron out of it?

1. applies
2. advances
3. transits
4. collides

13- The prospect of learning theof many elements might seem overwhelming.

1. glance
2. convince
3. properties
4. devote

14- These element are transitional in character between the..... reactive and the less reactive metals.

1. vigorously
2. difficult
3. replacing
4. treacherous

15- The potential energy of a molecule..... with its distance from the second molecule.

1. carries
2. varies
3. attracts
4. repulses

16- When the molecules come into contact, the potential energy of the object

1. separated
2. starts to rise
3. decreases
4. condensed

17- In the atmosphere temperature..... with altitude.

1. inter planetary
2. stops invariable
3. reach the surface
4. doesn't increase smoothly

18- Scientists often look for easier ways to.....or analyze experimental data.

1. identify
2. implicate
3. linger
4. extreme

19- Then we the container so it was completely empty of all gases .

1. hydrated
2. filtrated
3. indicated
4. evacuated

20- When the temperature increases, the molecules of gas..... more energy and move faster.

1. grow
2. inhale
3. gain
4. exhaust

21- Human body is highly..... mixture of numerous compounds.

1. homogenous
2. dilution
3. heterogeneous
4. distinguish

22- The solute comes out of solution rapidly and even a single crystal does not have time to form ,so precipitation is often.....

1. instantaneous
2. motivated
3. outmost
4. immense



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23- Volumetric flasks are used to dilute solutions

1. eligibly 2. accurately 3. confined 4. accelerated

24- In order to save space we store the solutions in a form so we can dilute it whenever is needed.

1. devoted 2. contradicted 3. concentrated 4. disturbed

25- When a substance dissolves to a significant extent in a specified solvent, it is called:

1. hydrated matter 2. specified solvent
3. soluble substance 4. insoluble substance

26- In a solution each ion has a number of water molecules closely..... with it.

1. associated 2. articulated 3. jostled 4. extended

27- The process of electron gain is known as.....

1. conversion 2. reduction 3. reductant 4. oxidation

28- The most common and economically destructive form of is the rusting of iron.

1. Interruption 2. corruption 3. corrosion 4. partition

29- NMR is one of the most useful..... which measures the environments of certain nuclei in a molecule.

1. tools 2. peaks 3. resonance 4. bonds

30- Functional groups dominate the properties and reactions of..... compounds.

1. structure 2. condensed 3. formula 4. organic