

سری سوال : یک

زمان آزمون (دقیقه) : نسی : ۹۰ تشریحی : .

تعداد سوالات : نسی : ۳۰ تشریحی : .

گروهان درس زبان تخصصی، زبان تخصصی شیمی

رشته تحصیلی / گرایش : (شیمی گرایش محض، شیمی (کاربردی) (۱۱۴۰۲۸ - شیمی (شیمی آلی)، شیمی (شیمی تجزیه)، شیمی (شیمی فیزیک) شیمی (شیمی معدنی) (۱۲۱۲۱۸۰)

1-..... is a proposed explanation made on the basis of limited evidence as a starting point for further investigation.

1. Hypothesis                      2. Ingenuity                      3. Meticulous                      4. Enormity

2-The study of the principles of chemistry, is called:

1. Chemical engineering                      2. Analytical chemistry  
3. Biochemistry                      4. Physical chemistry

3-..... means: perceive or point out a difference between.

1. Ratio                      2. Conserve                      3. Distinguish                      4. Identity

4-The ability of a substance to change into another substance, refers to .....

1. kinetic energy                      2. potential energy  
3. chemical property                      4. physical property

5-Energy is ..... when snow melts.

1. absorbed                      2. released                      3. accompanied                      4. extended

6-Which one is a tool or implement, especially for precision work.

1. Revise                      2. Laborious                      3. Feature                      4. Instrument

7-The positive charge of the nucleus ..... the negative charge of the .....electrons.

1. affect, surrounded                      2. postpones, surrounding  
3. cancels, surrounding                      4. delays, surrounded

8-What is called the atoms with the same number of protons but different numbers of neutrons.

1. nucleons                      2. dimers                      3. isomers                      4. isotopes

9-The development of steel ..... the profound impact of chemistry on society. .

1. formed                      2. preserved                      3. measurement                      4. accelerated

10-Strontium is a (an) .....

1. alkali metal                      2. transition metal  
3. alkaline earth metal                      4. noble gas

11-Right at the head of the periodic table .....

1. are the elements known as the noble gases.                      2. are elements called the alkali metals.  
3. standing alone is hydrogen.                      4. is the taller column called úroup 1.

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12-The positive ions are ..... out of the chamber by a strong electric field applied between two metal grids.

1. accelerated                      2. charged                      3. measured                      4. arranged

13-What is the general term for a plot showing the variation of a property at constant

1. standstill                      2. spectrum                      3. isotherm                      4. hyperbola

14-The.....change the speed and direction of the molecules.

1. Solutions                      2. Real gases                      3. Deviations                      4. Collisions

15-All gases deviate from  $Z=1$  as the pressure is ..... ( $Z$  is the compression factor)

1. decreased                      2. raised                      3. constant                      4. changable

16-Stratospheric ozone is ..... to life on the surface of earth.

1. divided                      2. explored                      3. accurate                      4. vital

17-Distillation makes use of differences in .....

1. Melting points                      2. Boiling points                      3. Critical points                      4. Power points

18-..... is a yellow alloy of copper and zinc.

1. Perfume                      2. Gold                      3. Brass                      4. Beverage

19-A strong electrolyte gives a solution in which the solute is present almost entirely as

- .....  
1. electrons                      2. molecules                      3. ions                      4. neutral

20-Homogeneous mixtures are also called .....

1. syrups                      2. solutes                      3. solvents                      4. solutions

21-Decanting technique makes use of .....

1. similarities in volume                      2. similarities in density  
3. differences in density                      4. differences in temperature

22-When an insoluble substance is formed in water, it immediately .....

1. precipitates                      2. weightes                      3. separates                      4. boiles

23-..... is based on differences in solubilities.

1. Crystallization                      2. Filtration                      3. Distillation                      4. Dilution



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