

A' ONE INTELLECTUAL SOLUTIONS

...bridging distance learning gaps

CHM191 EXAM SUMMARY

Which of the following is not a laboratory operation?

Answer: eating

Which of the following is not an indicator in titrimetric method of analysis?

Answer: methyl yellow

an element that undergoes a decrease in oxidation number is called?

Answer: oxidizing agent

Oxidation involves _____

Answer: electron loss

150g of NaOH in 1000cm³ of water is said to be a?

Answer: concentrated solution

What is the apparatus used in measuring a sodium hydroxide peroxide pellet?

Answer: balance

What is the pH range of phenolphthalein?

Answer: 8.3 – 10.00

Which of the following apparatus is not used in volumetric analysis?

Answer: weighing balance

What is the unit of measuring volume is?

Answer: m³

Which of the following is not a characteristics of a pure substances

Answer: deliquescent

Which of the following is considered while working in the laboratory?

Answer: precaution

Which of the following is not a reason why some substances whose purity cannot be exactly known

Answer: because they are non-volatile.

The number of moles of solute in one kilogram (kg) of solution is called ?

Answer: molality

150g of NaOH in 1000cm³ of water is said to be a?

Answer: concentrated solution

Avogadro number is?

Answer: 6.023×10^{-23}

Find the mole of NaOH if its mass is 40g (Na = 23, O = 16, H=1)

Answer: 1.00 mol

Mass in chemistry is measured in?

Answer: gram

The abbreviation of mole is?

Answer: mol

A substance which when, purchased does not change in its chemical composition with time of storage is said to be in

Answer: pure form

Which of the following is not a laboratory operation?

Answer: eating

QUESTION	OPTION A	OPTION B	OPTION C	OPTION D	ANS
A faulty technique during the experiment can cause	burns	cuts	explosion	poisoning	C
If a person swallow a corrosive poisoning, the person should be given	plenty water	antidote	lime water	hydrogen chloride	C
Outline of experimental procedure comprises one of the following	aim of the experiment	calculations if necessary	chemical reagent	title of experiment	C

For easy correction, experimental work should be recorded with _____ in laboratory notebook.	pencil first	Biro	on rough paper first	pencil for unsure facts and biro for sure ones	B
Heating is employed in gravimetric analysis to _____.	convert a precipitate to a compound of definite proportion	dry the precipitate	convert the precipitate to a compound of multiple composition	increase the solubility of the substance	A
Fume hood is employed in _____ process	filtration	digestion	precipitation	evaporation	D
Solid precipitates are separated from the liquid by _____.	precipitation	crystalisation	filtration	digestion	C
Filter papers are graded in how many ways?	two	three	four	five	B
To ensure proper filtration, _____ process is sometimes carried out first.	evaporation	digestion	precipitation	decantation	B
Suction filtration is employed to _____.	improve the quality of the filtrate	enhance the speed of filtration	increase the quantity of filtrate	retain needed solids	B

Question

Suction filtration is employed to _____.

Answer

enhance the speed of filtration

Question

To ensure proper filtration, _____ process is sometimes carried out first.

Answer

digestion

Question

Filter papers are graded in how many ways?

Answer

three

Question

Solid precipitates are separated from the liquid by _____.

Answer

filtration

Question

Fume hood is employed in _____ process

Answer

evaporation

Question

Heating is employed in gravimetric analysis to _____.

Answer

convert a precipitate to a compound of definite proportion

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Outline of experimental procedure comprises one of the following

Answer

chemical reagent

Question

If a person swallow a corrosive poisoning, the person should be given

Answer

lime water

Question

A faulty technique during the experiment can cause

Answer

explosion

Question

In the titration of sodium hydroxide and tetraoxosulphate (vi) acid, the pH at the end point is usually _____.

Answer

less than 7

Question

X is not a primary standard, but can be used to prepare a standard solution. X could be _____.

Answer

$\text{H}_2\text{C}_2\text{O}_4$

Question

Which of these substances is not employed in preparing standard solution?

Answer

Hydrochloric acid

Question

What is the concentration of a solution containing 2.5g of potassium hydroxide in 250cm^3 of solution? (K=39, H=1, O=16)

Answer

0.179mol/dm^3

Question

Calculate the oxidation number of sulphur in $\text{FeSO}_4 \cdot 7\text{H}_2\text{O}$?

Answer

6

Question

A stock bottle of an acid reads: 56% by mass and 1.25 specific gravity. If the molar mass of the acid is 70g, find the mole per cubic decimeter.

Answer

10.0mol/dm^3

Question

Which of the following is untrue of a standard solution?

Answer

Its concentration is unknown

Question

The most commonly used volumetric flask in volumetric analysis is the _____ volume capacity.

Answer

250ml

Question

Pipettes are of various capacities ranging from _____.

Answer

1ml - 50ml

Question

Which of the following is not true of a desiccator?

Answer

it is not use for drying

Question

Which of the following is not true of KMnO_4 ?

Answer

it is a primary standard

Question

The oxidation number of sodium in sodium hydroxide is _____.

Answer

1

Question

Oxidizing agents are _____.

Answer
electron acceptors

Question

$\text{CO} + \text{H}_2\text{SO}_4$). In the reaction above, which of the substance will be reduced?

Answer
S

Question

How many distinctive processes is involved in Iodometry?

Answer
two

Question

The reductant in iodometry is usually _____.

Answer
thiosulphates

Question

In a redox reaction, the element with less positive potential is normally _____.

Answer
reduced

Question

Which of the following is least reactive?

Answer
Cu

Question

Neutralization reactions is usually _____.

Answer

exothermic

Question

In KJ/Mol, the heat evolved when 1mole of sulphuric acid react with sodium hydroxide is approximately

Answer

<57.5

Question

Suction filtration is employed to _____.

Answer

enhance the speed of filtration

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