

The Bunsen burner regulator can be adjusted to produce a ----- flame.

Non-luminous

Electric oven can also be referred to as ----- oven.

Drying

If corrosive fumes may evolve during evaporation, the process must be carried out in a -----.

Fume hood

The most conventional size for volumetric work is the 250ml -----

Conical flask

Liquid reagent should be taken with the help of -----.

Droppers

The ----- is the basic unit for the quantity of a substance.

Mole

The three different techniques in titrimetric analysis are direct, indirect and ----- titration.

Back

Aluminium is ----- reactive than calcium.

Less

A substance that lose electron is said to be -----

Oxidized

The more ----- the potential, the easier the oxidation will be.

Positive

Heat of ----- is the amount of heat released or absorbed for a given amount of reactant or products.

Reaction

The ----- is used to measure the heat of reaction.

Calorimeter

----- are volumetric analysis involving iodine.

Iodimetry

KMnO₄ is characteristically ----- in both acid and base media.

Coloured

In ----- reactions , oxidation and reduction occurs simultaneously

Redox

The two balanced ----- equations should add up to give redox equations.

Half

Phenolphthalein can be used in the titration of HCl and NaOH since the titration is between ----- acid and strong base.

strong

When standard solution directly reacts with the substance being determined, the titration is said to be ----- titration.

Direct

Each types of titrimetric analysis is based on certain types of -----
---.

Reaction

Titration results are best recorded in ----- decimal places.

Two

----- of a substance is achieved by titrating the approximate concentration with standard solution of known concentration.

Standardization

Is it practically possible to prepare a solution of high concentration from a solution of lower concentration?

NO

A solution contains 2.65g of anhydrous sodium carbonate in 125ml of solution, what is its concentration in mole per dm cube?

0.2

A standard solution is prepared by weighing a ----- solute and dissolving it in a suitable solvent.

Pure

The equivalent weight of solute per volume of solution in dm³ is termed -

Normality

Sometimes precipitates are heated to a high temperature to convert it into a ----- of constant composition.

Compound

Ash less filter paper leaves little residue on -----.

Ignition

For laboratory purpose, filter papers of ----- grades are generally made.

Three

Proper ----- of filter paper can increase the rate of filtration.

Folding

An antidote should be given only to a person that swallow ----- poisons.

Non-corrosive

When you are very careful and follow all the laboratory rules of safety ,all accidents in the laboratory will be avoided. True or False

False

A ----- notebook should be used for laboratory record.

Bound

Ordinary filtration can be speeded up by the use of -----
--- filtration.

Suction

Care must be taken so that the liquid does not ----- violently while evaporating in a boiling tube.

Bump

Conical flask is the container in which the ----- meet and the products is/are formed.

Reactants

One of the following causes mental confusion

CHCl_3

Which of the following is most dangerous to the skin?

HF

Bunsen burner can be adjusted to a moderately high temperature of about _____.

600 °C

Which of these operations is performed in wet chemical analysis?

Precipitation

The number of moles of solute in one kilogram of solution is called _____

Molality

All pure substance have the following characteristics except _____.

Readily soluble in water

There are _____ types of titrimetric analysis.

Four

Which indicator is suitable for the titration of ethanoic acid and ammonia.

None

Which of the following metals has the least oxidation potential?

Ag

A reaction involving iron and copper ions, which of the ions will be oxidized?

Fe

The reaction is _____ when the reaction vessel feels warmer.

exothermic

The amount of heat required to raise the temperature of one mole of substances through one degree Celsius is called _____.

Molar heat capacity

Displacement reactions are usually _____.

oxidized

The most commonly used external indicator for iodine titration is _____.

starch

It is very difficult to read the meniscus of potassium permanganate solution in burette because _____.

Of its intense colouration

Which of these acid is suitable to catalyze permanganate reaction?

Sulphuric acid

Oxidation is defined as the _____

Loss of electron

Given the equation, $C + H_2SO_4 \rightarrow CO_2 + SO_2 + H_2O$, the oxidation number of sulphur decrease by ____.

2

The oxidation number of sulphur in $H_2SO_4^{2-}$ is _____.

4

H_2O_2 is oxidized by MnO_2 to give _____.

O_2

Volumetric method of analysis measures _____.

Volume of a gas or volume of solution of unknown concentration

The concept of _____ method is used in the preparation of a solution of lower concentration from higher concentration

Dilution

Which of the following is true of molar and molal concentration of sodium carbonate?

Molal concentration is higher

Precipitation is common to _____ analysis.

Gravimetric

What should be given to a person that swallowed corrosive poison as soon as possible?

Calcium hydroxide solution

Burns caused by bromine can be treated with _____

Ammonia

Burns are mostly caused by _____.

Hot equipment and reagents

What is the molar concentration of a solution containing 2.5g of potassium hydroxide in 200cm³ of solution. (K = 39, H=1,O=16)

0.22mol/dm³

In a titration, 25cm³ of an impure anhydrous sodium trioxocarbonate (iv) containing 5.0g in 1dm³ of solution was neutralized by 22.20cm³ of 0.10mol/dm³ of HCl, find the mass concentration of the trioxocarbonate (iv).

4.71g/dm³

A molar solution of caustic soda is prepared by dissolving _____.

40g NaOH in 1000g of water

What volume of 0.5M sulphuric acid will exactly neutralize 20cm³ of 0.1M NaOH solution?

2.0 cm³

In which type of titration is two standard solution needed?

Back

The volume of acid used is usually _____

Average titre value

All electron donors are normally _____.

Reducing agent

At what reaction condition will the absolute value of enthalpy equals the absolute value of heat of reaction?

Constant pressureThe Bunsen burner regulator can be adjusted to produce a ----- flame.

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