

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

0.179 mol/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

10.0 mol/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 desicator?

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

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