

Your name: _____

Form: _____

CXC Chemistry Exam Preparation

Organic and Inorganic Chemistry Multiple Choice Test I

- Which of the following is NOT a homologous series
 - Alkenes
 - Alkanes
 - Alcohols
 - Aminos
- Alkanes are:
 - Unsaturated and reactive
 - Saturated and unreactive
 - Saturated and reactive
 - Unsaturated and unreactive
- Alkenes undergo:
 - Substitution reactions and are unsaturated
 - Addition reactions and are unsaturated
 - Addition reactions and are saturated
 - Substitution reactions and are saturated
- Select the statement below which is incorrect: Ester properties include:
 - Oily liquids
 - Sweet scents
 - Naturally occurring vegetable oils
 - None of the Above
- The most and least reactive metals respectively are:
 - Potassium and Gold
 - Iron and Silver
 - Sodium and Bronze
 - None of the Above
- Zinc and Copper are being used as electrodes in a cell containing H_2SO_4 . Which of the following statements is false?
 - Electrons gather around the Zinc electrode.
 - Electrons gather around the Copper electrode.
 - Hydrogen is formed and released from the electrolyte
 - The current created may be measured by using a voltmeter
- The process of electrolyse is used in the Bauxite Industry to extract aluminium from bauxite. Which type of anodes and cathodes are used in this process?
 - Anode: Copper Cathode: Copper
 - Anode: Graphite Cathode: Copper
 - Anode: Graphite Cathode: Graphite
 - Anode: Copper Cathode Graphite
- Which of the following statements is false: Nitrogen:
 - Is an inert gas in ordinary conditions
 - Is a neutral gas
 - Reacts with hydrogen under pressure to form Ammonia
 - Has a distinct odour and is green in colour
- Identify the main danger of excessive inhalation of Carbon Monoxide.
 - Odourless
 - Incomplete Combustion
 - Plant Decay
 - Reduces haemoglobin effectiveness,
- The main pollutant of smog is:
 - Sulphur Dioxide
 - Carbon Monoxide
 - Ammonia
 - Carbon Dioxide
- Which gas below is the odd one out:
 - Nitrogen Dioxide
 - Water Vapour
 - Oxygen
 - Carbon Dioxide

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12. The following types of particles make up matter (three), one doesn't belong:

- a. Ions
- b. Molecules
- c. Atoms
- d. Gases

13. Which of the following gases is NOT found naturally occurring in the Earth's atmosphere?

- a. Oxygen
- b. Hydrogen
- c. Hydrogen Sulphide
- d. Nitrogen

14. Identify the metal below which is NOT an alloy:

- a. Wrought iron
- b. Steel
- c. Solder
- d. Duralumin

15. How many moles are in 25g of Hydrogen?

- a. 25
- b. 125
- c. 12.5
- d. 2.5

16. Amphoteric substances react with both acids and strong alkalis. Which of the following is NOT an amphoteric substance?

- a. Aluminium Oxide
- b. Zinc Oxide
- c. Aluminium Hydroxide
- d. Calcium Carbonate

17. Which of the following is a suspension

- a. Mist
- b. Milk
- c. Smoke
- d. Fog

18. Fossil fuels have traditionally been the main source of energy worldwide. Which of the following is NOT regarded as a Fossil Fuel?

- a. Coal
- b. Peat

- c. Oil
- d. Sun

19. Which non metal below is used extensively in the computer industry as semi conductors:

- a. Graphite
- b. Diamond
- c. Silicon
- d. Phosphorus

20. Anodising, electroplating, Metal purification and extracting reactive metals are all examples of:

- a. Hydrolysis
- b. Electrolysis
- c. Crystallization
- d. Polymerisation