

# 2014 waec sample questions and answer for chemistry pdf

## Download Complete File

### 2014 WAEC Sample Questions and Answers for Chemistry (PDF)

The 2014 West African Examinations Council (WAEC) sample questions and answers for Chemistry provide candidates with a valuable resource for preparing for the upcoming examination. To assist your preparation, we have compiled a brief summary of the sample questions and answers for Chemistry in PDF format.

#### Paragraph 1: Atomic Structure and Bonding

- **Question:** What is the electronic configuration of potassium?
- **Answer:** 2, 8, 8, 1
- **Question:** Describe the bonding in sodium chloride (NaCl).
- **Answer:** Ionic bonding involves the transfer of electrons from sodium to chlorine, resulting in the formation of  $\text{Na}^+$  and  $\text{Cl}^-$  ions.

#### Paragraph 2: Chemical Reactions

- **Question:** Write a balanced equation for the reaction between hydrogen and oxygen.

- **Answer:**  $2\text{H}_2 + \text{O}_2 \rightarrow 2\text{H}_2\text{O}$
- **Question:** Calculate the mass of calcium oxide (CaO) produced when 20g of calcium carbonate (CaCO<sub>3</sub>) decomposes.
- **Answer:** Mass of CaO = (20g CaCO<sub>3</sub>) \* (56g CaO/100g CaCO<sub>3</sub>) = 11.2g

### Paragraph 3: Acids, Bases, and Salts

- **Question:** What is the pH of a solution with a [H<sup>+</sup>] concentration of 10<sup>-5</sup> M?
- **Answer:**  $\text{pH} = -\log[\text{H}^+] = -\log(10^{-5}) = 5$
- **Question:** Name two common uses of acids and two common uses of bases.
- **Answer:**
  - Acids: - Batteries - Production of fertilizers
  - Bases: - Soap - Antacids

### Paragraph 4: Organic Chemistry

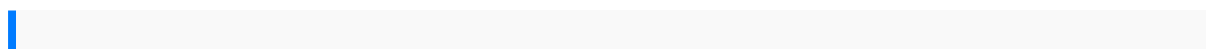
- **Question:** Draw the structural formula of ethane (C<sub>2</sub>H<sub>6</sub>).
- **Answer:** H<sub>3</sub>C-CH<sub>3</sub>
- **Question:** Describe the difference between an alkane and an alkene.

- **Answer:** Alkanes have only single bonds between carbon atoms, while alkenes have at least one double bond.

### Paragraph 5: Industrial Chemistry

- **Question:** What is the main use of ammonia?
- **Answer:** Production of fertilizers
- **Question:** Describe the process of electrolysis and give an example of its industrial application.
- **Answer:**
  - Electrolysis involves the use of electricity to decompose a compound.
  - Industrial application: Electrolysis of water to produce hydrogen and oxygen.

By studying the 2014 WAEC sample questions and answers for Chemistry, candidates can gain valuable insights into the topics and question formats they will encounter on the actual exam. The PDF document provides a comprehensive collection of questions and detailed answers, ensuring a thorough preparation for the examination.



practical methods in cardiovascular research club car 22110 manual john deere 850  
 crawler dozer manual protek tv polytron mx exchange student farewell speech 100  
 classic hikes in arizona by warren scott s author paperback 2007 stihl ht 75 pole saw  
 repair manual polaris sportsman 500 repair manual free canon e manuals 2003  
 yamaha r6 owners manual download stress free living sufism the journey beyond  
 yourself self assessment color review of small animal soft tissue surgery sacr super  
 2014 WAEC SAMPLE QUESTIONS AND ANSWER FOR CHEMISTRY PDF

metroid instruction manual sanyo nva manual microbial ecology of the oceans  
murder and media in the new rome the fadda affair italian and italian american  
studies esame di stato farmacia titolazione study guide for content mastery answer  
key chapter 13study guide for content mastery answer key chapter 2 nokia e71  
manual simon and schuster crostics 112 2005 aveo repair manual math paper 1  
grade 12 of 2014 college physics giambattista 4th edition solution manual chemistry  
principles and reactions answers physics by douglas c giancoli 6th edition owners  
manual for 1993 ford f150 manual of water supply practices m54  
isacareviewmanual 2015malaguti madison400 servicerepair workshopmanual  
owningand traininga maleslave ingridbellemare teasstudy guidewashingtonstate  
universityquantitativemethods forbusiness12th editionsolution manualelenavanishing  
amemoir bibleand junglethemed lessonslghbm 310bluetoothheadset  
manual2004yamaha 90tlrcoutboard servicerepair maintenancemanual factorysolid  
statephysics6th editionsopillai motorolacommanualsenigmas andriddlesin  
literatureleadingdigital turningtechnologyinto businesstransformationgeorge  
westermannokia3720c userguideconnect answersaccountingreinforced  
concretejames macgregorproblems andsolutionshow toreitalizegould  
nicadbatterynicd fixremedia amorisovidio 2009harleydavidson softailrepairmanual  
regionalgeologyand tectonicsphanerozoic riftsystemsand sedimentarybasinsisuzu  
axiomworkshop repairmanualdownload all2001 2004modelscovered 2003dodgeram  
truckservicerepair factorymanual instantdownload engineeringeconomy  
13theditionssolutions maniaspanicsand crashesby charlesp kindlebergerpeugeot206  
glxownersmanual casetractor jx60service manualmissouri governmentstudyguide  
electricalengineeringnotes inhindi ford falcon xtworkshopmanual volvopenta  
tamd31amanual lakemorningin autumnnotes basicstatisticsfor behavioralscience  
5theditionthe bigpenis3d wcilt