# PHYSICAL SCIENCE MEMO 2013 GRADE 11 Workbook

## Introduction to Physical Science Memo 2013 Grade 11

**Physical science memo 2013 grade 11** serves as an essential resource for students preparing for their examinations in the subject of physical science. It provides a comprehensive overview of the key topics, concepts, and solutions to past exam questions, facilitating effective revision and understanding. Such memos are invaluable for both students and educators, as they highlight common questions, mark allocations, and detailed explanations that clarify complex scientific principles. This article aims to delve into the content typically covered in the 2013 Grade 11 physical science memo, exploring fundamental concepts in chemistry and physics, and offering insights into how students can utilize these memos to enhance their learning experience.

## Understanding the Structure of the 2013 Grade 11 Physical Science Memo

### Content Coverage in the Memo

The 2013 Grade 11 physical science memo generally encompasses the following major sections:

- Chemistry ? Atomic structure, chemical bonding, periodic table, chemical reactions.
- Physics ? Mechanics, motion, forces, energy, and waves.
- Practical investigations ? Laboratory techniques and data analysis.
- Revision questions and model answers.

### Purpose and Benefits of Using the Memo

Using the memo offers several advantages:

- Identifies frequently tested questions and themes.
- Provides model answers that exemplify examiner expectations.
- Helps students understand marking schemes and allocate time efficiently during exams.
- Assists in diagnosing areas of weakness for targeted revision.

## Key Topics Covered in the 2013 Grade 11 Physical Science Memo

## Chemistry Topics

### Atomic Structure and the Periodic Table

Understanding the structure of an atom is foundational in physical science. The memo typically reviews:

- The components of an atom: protons, neutrons, electrons.
- Atomic number and mass number.
- Electron configuration and energy levels.
- The periodic table arrangement and periodic trends such as atomic radius, electronegativity, and ionization energy.

### Chemical Bonding and Molecules

This section emphasizes how atoms combine to form molecules and compounds, including:

- Ionic bonds?formation, properties, and examples.
- Covalent bonds?single, double, triple bonds.
- Metallic bonding and properties of metals.
- Lewis structures and molecular shapes.

### Chemical Reactions and Equations

The memo covers types of reactions such as synthesis, decomposition, displacement, and combustion. It also emphasizes balancing chemical equations and understanding reaction conditions.

## Physics Topics

### Mechanics and Motion

This section reviews the fundamental concepts of motion, including:

- Speed, velocity, and acceleration.
- Distance-time and velocity-time graphs.
- Equations of motion for uniformly accelerated objects.
- Newton?s Laws of Motion and their applications.

### Forces and Dynamics

Topics include:

- Types of forces: gravitational, frictional, tension, normal force.
- Free-body diagrams.
- Equilibrium and non-equilibrium situations.

### Energy and Work

The memo discusses different forms of energy, work-energy theorem, and conservation of energy principles, including:

- Kinetic and potential energy.
- Power and efficiency.
- Energy transformations.

### Waves and Sound

Basic wave properties such as wavelength, frequency, speed, and amplitude are explored, along with applications in sound and light.

## How to Use the 2013 Memo Effectively for Revision

## Step-by-Step Approach

- Identify weak areas by attempting past questions without assistance.
- Use the memo to check solutions and understand marking schemes.
- Compare your answers to model solutions to identify gaps.
- Practice similar questions regularly to build confidence.
- Focus on understanding concepts rather than rote memorization.

## Additional Tips for Success

- Combine memo study with textbook revision for deeper understanding.
- Form study groups to discuss difficult questions and concepts.
- Use diagrams and practical examples to enhance comprehension.

- Allocate time wisely during exams, practicing under timed conditions.

## Commonly Tested Questions in the 2013 Memo

Exam questions often focus on application and analysis. Some typical questions include:

- Describe the structure of an atom and explain how atomic number determines element identity.
- Balance a given chemical equation and explain the law of conservation of mass.
- Calculate the acceleration of an object given initial velocity, final velocity, and time taken.
- Explain the forces acting on an object in equilibrium and illustrate with a free-body diagram.
- Discuss the energy transformations in a roller coaster ride.

## Interpreting the Marking Scheme

Understanding how marks are allocated helps students focus on essential points:

- Clear and accurate diagrams are often awarded high marks.
- Step-by-step solutions demonstrate understanding and earn partial marks.
- Correct use of scientific terminology is crucial.
- Showing calculations and working through problems is essential in physics questions.

## Practical Applications and Laboratory Techniques

The memo also emphasizes the importance of practical skills, including:

- Preparing and conducting experiments safely.
- Recording observations accurately.
- Analyzing data and drawing valid conclusions.
- Understanding the purpose of various laboratory apparatus.

## Conclusion: Leveraging the 2013 Grade 11 Physical Science Memo

The **physical science memo 2013 grade 11** is an indispensable tool for exam preparation. By systematically reviewing past questions, understanding model answers, and practicing application-based problems, students can significantly improve their grasp of physical science concepts. Combining the memo with active study techniques, practical experiments, and consistent revision can boost confidence and performance in exams. Ultimately, mastering the material reflected in the memo not only prepares students for their assessments but also lays a strong

foundation for future scientific pursuits.

Physical Science Memo 2013 Grade 11: An In-Depth Expert Review

Introduction

In the realm of secondary education, particularly in the South African curriculum, the Physical Science Memo 2013 Grade 11 stands out as a crucial resource for both learners and educators. As an essential guide, this memo encapsulates the core concepts, solutions, and examination strategies necessary for mastering physical science at the Grade 11 level. This article aims to provide a comprehensive review of the memo?s features, its pedagogical value, and how it can serve as an effective study aid for students seeking to excel in their assessments.

Understanding the Purpose of the Memo

What is a Memo?

A memo, in the context of South African education, is an official document that provides detailed solutions and marking guidelines for exam papers and assignments. It functions as an authoritative key, ensuring standardization in grading and offering educators a clear framework for marking student responses.

Why is the 2013 Memo Significant?

Although dated, the 2013 Grade 11 Physical Science Memo remains relevant for several reasons:

- It covers foundational concepts that underpin advanced topics.
- It provides insight into the examination style and question expectations.
- It acts as a historical benchmark for curriculum consistency and assessment standards.

Overview of the Content Structure in the 2013 Memo

The memo is typically organized in alignment with the exam paper, covering each section systematically. Its structure generally includes:

- Multiple Choice Questions (MCQs) Solutions

Clear, step-by-step explanations for each question to assist students in understanding the reasoning.

- Short Answer and Data Response Questions

Detailed solutions with emphasis on scientific reasoning, calculation methods, and interpretation of data.

- Extended Response Questions

Guidelines on structuring comprehensive answers, including relevant diagrams, explanations, and conclusions.

- Marking Guidelines and Common Errors

Insights into common student mistakes and how to avoid them, plus tips for maximizing marks.

Key Topics Covered in the 2013 Memo

The 2013 memo encompasses the core topics prescribed for Grade 11 Physical Science, including but not limited to:

- Matter and Materials

- Atomic structure and periodic table
- Bonding and molecular structures
- Properties of metals, non-metals, and metalloids
- Chemical reactions, balancing equations

- Thermal Physics

- Heat transfer mechanisms (conduction, convection, radiation)
- Specific heat capacity calculations
- Thermal expansion and its applications

- Forces and Motion

- Newton?s laws of motion
- Graphical analysis of motion
- Momentum and impulse

- Waves and Sound

- Types of waves
- Wave properties (wavelength, frequency, speed)
- Sound production and propagation

- Electricity and Magnetism

- Electric circuits and Ohm?s law
- Series and parallel circuits
- Electromagnetism principles

Strengths and Pedagogical Value of the 2013 Memo

- Clarity and Step-by-Step Solutions

One of the standout features of the memo is its meticulous approach to problem-solving. Each question is broken down into logical steps, ensuring students understand not just the what but the why behind each answer.

- Alignment with Curriculum and Exam Style

The memo reflects the examination style of that year, providing insights into question phrasing, expected answers, and marking schemes. This alignment helps students familiarize themselves with the exam format, boosting confidence and preparedness.

- Emphasis on Scientific Reasoning

Beyond rote memorization, the memo encourages critical thinking by prompting students to interpret data, analyze graphs, and justify their solutions ? skills vital for higher-level science.

- Addressing Common Student Errors

By highlighting typical mistakes, the memo serves as an educational tool, guiding learners to avoid pitfalls and understand misconceptions.

- Practical Application

The solutions often include real-world examples or practical scenarios, making abstract concepts more tangible and relatable.

How to Maximize the Use of the 2013 Memo

To leverage the memo effectively, students should consider the following strategies:

- Active Practice: Attempt questions independently before consulting the memo. Use the solutions to verify and understand correct procedures.
- Identify Weak Areas: Focus on topics where your answers diverge from the memo?s solutions, and review relevant theory.
- Understand the Marking Scheme: Pay attention to how points are allocated to appreciate what examiners value most.
- Use as a Study Aid: Incorporate the memo into revision sessions, especially for complex problems involving calculations or data interpretation.
- Develop Exam Techniques: Study the structure and language of the solutions to improve clarity and precision in your responses.

Limitations and Considerations

While the 2013 memo is an invaluable resource, it?s essential to recognize its limitations:

- Historical Context: The curriculum and exam style may have evolved since 2013. Always verify that the topics align with current syllabi.
- Passive Learning Risk: Over-reliance on memorized solutions can hinder conceptual understanding. Use the memo as a guide, not a crutch.
- Supplementary Resources Needed: Combine the memo with textbooks, practical experiments, and other study materials for a holistic understanding.

Final Thoughts: The Memo as a Learning Tool

In conclusion, the Physical Science Memo 2013 Grade 11 serves as a comprehensive, authoritative guide that can significantly enhance learners? understanding and performance. Its detailed solutions, alignment with assessment standards, and focus on reasoning make it an excellent resource for exam preparation. When used thoughtfully, it encourages active learning, critical thinking, and mastery of fundamental scientific principles ? all essential for success in physical sciences.

For educators, it provides a clear framework for marking and assessment, ensuring consistency and fairness. For students, it offers a roadmap through complex topics, demystifying the examination process and building confidence.

Final advice: Use the 2013 memo strategically within a broader study plan that includes theoretical review, practical exercises, and ongoing self-assessment. With diligent application, this resource can be a stepping stone toward academic excellence in physical science at the Grade 11 level.

QuestionAnswer What are the key topics covered in the 2013 Grade 11 Physical Science memo? The 2013 Grade 11 Physical Science memo covers topics such as atomic structure, chemical bonding, periodic table, states of matter, gases, and basic principles of thermodynamics. How does the 2013 memo explain the concept of atomic structure? The memo explains atomic structure by detailing protons, neutrons, and electrons, including atomic number, mass number, and electron configuration, emphasizing the structure's role in chemical behavior. What methods are recommended in the 2013 memo for solving chemical bonding questions? The memo suggests using Lewis dot structures, valence electron calculations, and understanding ionic and covalent bonding principles to accurately solve chemical bonding questions. How does the 2013 memo approach the topic of gases and gas laws? The memo discusses the ideal gas law, Boyle's law, Charles's law, and Avogadro's law, providing formulas and example problems to illustrate how gases behave under different conditions. What are common types of questions in the 2013 physical science exam for Grade 11? Common questions include calculations involving molar mass, balancing chemical equations, applying gas laws, and explaining concepts related to atomic structure and bonding. How can students effectively prepare for the 2013 Grade 11 Physical Science exam based on the memo? Students should review key concepts, practice solving past exam questions, understand formulas and their applications, and ensure they grasp fundamental theories outlined in the memo. Does the 2013 memo include diagrams or visual aids for better understanding? Yes, the memo contains diagrams such as atomic models, molecular structures, and gas behavior illustrations to aid comprehension of complex concepts. What are the main tips provided in the 2013 memo for answering physics and chemistry questions effectively? Tips include reading questions carefully, showing all working steps, applying relevant formulas, and double-checking calculations to ensure accuracy.

**Related keywords:** physics, chemistry, biology, science notes, grade 11 curriculum, physical science concepts, exam preparation, educational resources, scientific principles, high school

science

# GK QUESTION AND ANSWERS 2013

**gk question and answers 2013**

In the realm of general knowledge, staying updated with questions and answers from past years is essential for competitive exams, quizzes, and enhancing overall awareness. The year 2013 was significant in shaping various global and national events, and many questions from that year continue to be relevant for aspirants preparing for various exams. This article provides a comprehensive compilation of GK questions and answers from 2013, covering topics ranging from politics and history to science and sports, ensuring you are well-prepared to test your knowledge or prepare for future examinations.

## Introduction to GK Questions and Answers 2013

General Knowledge (GK) is a vital component of competitive exams such as UPSC, SSC, banking exams, and school-level tests. Questions from 2013 reflect the political, economic, scientific, and cultural developments of that period. Familiarity with these questions helps aspirants understand the types of questions asked and the areas where they need to focus their studies.

In 2013, several landmark events took place worldwide and in India. These events have been frequently asked in various exams, making it necessary to revise and memorize key facts. The following sections provide a detailed overview of important GK questions from 2013, categorized for easy understanding.

## Political and International GK Questions of 2013

### Major Political Events

- Question: Who became the Prime Minister of India after the 2013 general elections?

Answer: Narendra Modi

- Question: Which country hosted the G20 Summit in 2013?

Answer: Russia (St. Petersburg)

- Question: Who was the President of the United States in 2013?

Answer: Barack Obama

### International Organizations and Leaders

- Question: Who was the Secretary-General of the United Nations in 2013?

Answer: Ban Ki-moon

- Question: Which country held the BRICS Summit in 2013?

Answer: South Africa

### Important Political Events in India (2013)

- Question: Which Indian state experienced a significant political change in 2013 with the formation of a new government?

Answer: Andhra Pradesh (Reorganization into Telangana)

- Question: Name the President of India in 2013.

Answer: Pranab Mukherjee

## Economics and Financial GK Questions 2013

- Question: What was India's GDP growth rate approximately in 2013?

Answer: Around 5.0%

- Question: Which major Indian bank announced the launch of the first mobile banking app in

2013?

Answer: State Bank of India (SBI)

- Question: What was the international price of gold per ounce in 2013?

Answer: Approximately $1,200 to $1,400 (varied throughout the year)

## Science and Technology GK Questions 2013

### Space and Astronomy

- Question: Which planet's mission was launched by NASA in 2013?

Answer: Mars Rover (Curiosity) continued its mission, and NASA launched the MAVEN spacecraft to study Mars' atmosphere.

- Question: What is the name of the satellite launched by India in 2013?

Answer: Mars Orbiter Mission (Mangalyaan)

### Innovations and Discoveries

- Question: Which breakthrough in medical science was announced in 2013 involving gene editing?

Answer: Advancements in CRISPR gene-editing technology gained worldwide attention.

- Question: What significant discovery was made in 2013 related to the Higgs boson?

Answer: Confirmation of the Higgs boson particle?s properties by CERN scientists.

## Sports GK Questions from 2013

- Question: Who won the ICC Cricket World Cup in 2013?

Answer: India won the ICC Champions Trophy (not the World Cup) in 2013.

- Question: Which athlete set a new world record in the 100 meters sprint in 2013?

Answer: Usain Bolt

- Question: Who was the captain of the Indian cricket team during the 2013 Champions Trophy?

Answer: Mahendra Singh Dhoni

## Important Awards and Honors of 2013

- Question: Who received the Nobel Peace Prize in 2013?

Answer: Organisation for the Prohibition of Chemical Weapons (OPCW)

- Question: Which Indian was awarded the Padma Vibhushan in 2013?

Answer: Several individuals received the award, including Dr. A.P.J. Abdul Kalam (posthumously) and others across various fields.

## World and Cultural GK Questions of 2013

### Notable Events and Festivals

- Question: Which city hosted the 2013 G20 Summit?

Answer: St. Petersburg, Russia

- Question: Which major festival was celebrated globally in 2013?

Answer: The 150th anniversary of Mahatma Gandhi's birth was commemorated worldwide.

### Books, Films, and Literature

- Question: Which film won the Academy Award for Best Picture in 2013?

Answer: "Argo"

- Question: Name the Nobel Prize-winning author who published a notable work in 2013.

Answer: Alice Munro received the Nobel Prize in Literature in 2013.

## Environmental and Geographical GK Questions 2013

- Question: Which natural disaster caused widespread devastation in the Philippines in 2013?

Answer: Typhoon Haiyan (Yolanda)

- Question: Which mountain was declared the highest in the world after reevaluation in 2013?

Answer: Mount Everest (still the highest, but the height was confirmed to be 8,848.86 meters after a 2013 survey)

## Conclusion: Importance of GK Questions from 2013

Studying GK questions from 2013 provides insight into the major global and national events of that year. Such questions are frequently revisited in competitive exams, quizzes, and interviews. Keeping a record of these questions helps aspirants build a strong foundation in general knowledge, improves their chances of success, and keeps them informed about world affairs.

Regular revision of past GK questions, like those from 2013, ensures that learners stay sharp and confident. Whether you are preparing for a competitive exam or just aiming to enhance your knowledge base, focusing on important questions from previous years is an effective strategy.

## Tips for Preparing GK Questions and Answers 2013 and Beyond

- Create a dedicated GK notebook with questions and answers from each year.
- Use online quizzes and apps to test your knowledge regularly.
- Watch news summaries and documentaries related to major events of 2013.
- Join GK discussion groups or forums for interactive learning.
- Revise periodically to retain facts effectively.

By consistently updating your GK with questions from past years like 2013, you will develop a comprehensive understanding of important facts, trends, and historical events that shape our world today.

Note: This compilation is not exhaustive but highlights some of the most significant GK questions from 2013. For a more detailed study, refer to year-specific GK books, competition archives, and official exam syllabi.

GK Question and Answers 2013: A Comprehensive Guide to the Year?s General Knowledge

Introduction

GK question and answers 2013 serve as a valuable resource for students, competitive exam aspirants, and trivia enthusiasts seeking to test and expand their general knowledge base. The year 2013 marked significant developments across various domains?politics, science, sports, awards, and world events?that are often reflected in GK questions. This article aims to delve into the notable questions and answers from 2013, providing readers with an in-depth understanding of the year's important facts, along with contextual insights to enhance learning and retention.

The Significance of GK Questions from 2013

Every year, general knowledge questions evolve based on current affairs, discoveries, and global happenings. The 2013 GK set is particularly interesting because it encapsulates pivotal moments that influenced the world and India alike. For aspirants, mastering these questions not only boosts exam scores but also enriches their awareness about recent history and ongoing global developments.

Major Themes in GK Question and Answers 2013

The GK questions from 2013 broadly cover the following themes:

- Political and International Events
- Science and Technology
- Sports Achievements
- Awards and Honors
- Economics and Business
- Environment and Ecology
- Miscellaneous and Miscellaneous Trivia

Let's explore each of these themes in detail.

Political and International Events in 2013

Key Political Developments

2013 was marked by major political shifts and international diplomacy. Some of the notable questions include:

- Who was the Secretary-General of the United Nations in 2013?

Answer: Ban Ki-moon

- Which country experienced a significant political crisis leading to the resignation of its Prime Minister in 2013?

Answer: Italy (Prime Minister Silvio Berlusconi resigned, and Enrico Letta took charge)

- In 2013, which nation became the first African country to qualify for the FIFA World Cup?

Answer: Algeria

- Name the Indian politician who was elected as the President of India in 2012 and held office throughout 2013.

Answer: Pranab Mukherjee

Major International Events

- What was the name of the historic agreement signed between the U.S. and Afghanistan in 2013 regarding the future presence of U.S. troops?

Answer: The Bilateral Security Agreement (BSA)

- Which country hosted the 2013 ICC Champions Trophy in cricket?

Answer: England

Notable Political Figures

- Who was appointed as the new Prime Minister of Bangladesh in 2013?

Answer: Sheikh Hasina (re-elected in 2013)

Science and Technology Highlights of 2013

Breakthrough Discoveries and Innovations

2013 saw several scientific breakthroughs, often forming the basis of GK questions:

- Which planet was officially classified as a dwarf planet in 2013 by the International Astronomical Union?

Answer: Pluto

- What was the name of the first commercially available 3D printer launched in 2013?

Answer: The first commercial 3D printer was the MakerBot Replicator 2

- In 2013, which country launched the Mars Orbiter Mission?

Answer: India (ISRO launched Mars Orbiter Mission, Mangalyaan)

- Which technology giant announced the release of Windows 8.1 in 2013?

Answer: Microsoft

Scientific Milestones

- What significant discovery regarding the Higgs boson was announced in 2013?

Answer: Confirmation of the Higgs boson particle by CERN scientists

- Which gene-editing technology gained prominence in 2013?

Answer: CRISPR-Cas9

Sports Achievements in 2013

Sports frequently dominate GK questions, and 2013 was no exception:

- Who won the FIFA Ballon d'Or award in 2013?

Answer: Cristiano Ronaldo

- Which country won the ICC Champions Trophy 2013?

Answer: India

- Who became the first Indian to win a gold medal at the World Wrestling Championships in 2013?

Answer: Sushil Kumar

- Name the Indian cricket team captain in 2013 during the ICC Champions Trophy.

Answer: Mahendra Singh Dhoni

- Which athlete set a new world record in the men's 100 meters in 2013?

Answer: Usain Bolt (though he equaled his own record, he remained the fastest)

Awards and Honors of 2013

This section includes notable awards conferred in 2013:

- Who was awarded the Nobel Peace Prize in 2013?

Answer: Organisation for the Prohibition of Chemical Weapons (OPCW)

- Who received the Bharat Ratna, India?s highest civilian award, in 2013?

Answer: Atal Bihari Vajpayee (posthumously awarded in 2015, but discussions and recognitions related to his leadership were prominent in 2013)

- Which film won the Best Picture at the 85th Academy Awards in 2013?

Answer: "Argo"

- Who was awarded the Booker Prize in 2013?

Answer: Eleanor Catton for her novel The Luminaries

Economic and Business Developments in 2013

- Which country?s economy was the fastest-growing among G20 nations in 2013?

Answer: China

- What major global company announced a significant acquisition or merger in 2013?

Answer: Facebook announced the acquisition of Instagram in 2012, but its impact was felt through 2013; additionally, in 2013, Apple announced the iPhone 5s and 5c launch.

- Which Indian company became the most valuable in market capitalization in 2013?

Answer: Reliance Industries

Environment and Ecology in 2013

- What major environmental event occurred along the Indian coast in 2013?

Answer: The massive cyclone Phailin struck the eastern coast of India

- Which animal was declared extinct in the wild in 2013?

Answer: The Western Black Rhinoceros (though the process was ongoing, the IUCN officially declared it extinct in 2013)

- What was the theme of Earth Day 2013?

Answer: "The Face of Climate Change"

Miscellaneous Trivia and Noteworthy Facts

- Which viral social media phenomenon gained popularity in 2013?

Answer: The "Harlem Shake" videos

- What was the name of the popular gaming console launched by Sony in 2013?

Answer: PlayStation 4

- Which iconic Indian space manned mission was announced but not launched in 2013?

Answer: The Indian Human Spaceflight Program, later named Gaganyaan, was in planning stages during 2013.

How to Use 2013 GK Questions for Competitive Exams

Understanding the pattern and types of questions from 2013 can greatly improve preparation strategies:

- Focus on current affairs around 2013, including political changes, international treaties, and scientific breakthroughs.
- Keep abreast of sports achievements and awards handed out during that year.
- Regularly revise world events and Indian history and polity to grasp the context behind

questions.

- Practice with mock tests that incorporate GK questions from 2013 to improve speed and accuracy.

Conclusion

GK question and answers 2013 encapsulate a year of remarkable global and national milestones. From scientific discoveries to political upheavals, and from sporting triumphs to cultural accolades, the year offers a rich tapestry of knowledge. Aspiring learners and competitive exam candidates can leverage this information to build a strong foundation in general knowledge. As history often repeats itself or gets referenced, understanding the events of 2013 not only prepares you for exams but also enhances your awareness of recent global developments.

By delving into the questions and answers from 2013, enthusiasts can appreciate how the world evolved during that period and how those events continue to influence current affairs. Staying updated with such historical GK points ensures that you remain well-informed and ready for any quiz or exam that tests your breadth of knowledge.

Remember: Consistency is key. Regular revision of GK questions from past years like 2013 will strengthen your overall preparedness and boost confidence in any competitive scenario.

QuestionAnswer What was the major international event that took place in 2013? One of the major international events in 2013 was the election of Pope Francis as the 266th Pope of the Roman Catholic Church. Which country hosted the 2013 ICC Champions Trophy in cricket? England hosted the 2013 ICC Champions Trophy. Who was awarded the Nobel Peace Prize in 2013? The Nobel Peace Prize in 2013 was awarded to the Organisation for the Prohibition of Chemical Weapons (OPCW). What significant technological advancement was made in 2013? In 2013, the Bitcoin cryptocurrency gained widespread attention and saw a significant rise in value. Which film won the Best Picture Oscar in 2013? The film 'Argo' won the Best Picture Oscar at the 85th Academy Awards in 2013. What was a major scientific discovery or achievement in 2013? NASA's Curiosity rover discovered evidence of ancient freshwater lakes on Mars in 2013. Which country became the first to approve a vaccine for Ebola in 2013? Sierra Leone became the first country to approve an Ebola vaccine in 2013. Who was the Prime Minister of India in 2013? Manmohan Singh was the Prime Minister of India in 2013.

**Related keywords:** general knowledge, quiz, trivia, current affairs, GK questions, GK answers, 2013 events, general awareness, competitive exams, quiz questions

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