

Memorandum june common exam physical science 2009 Document

memorandum june common exam physical science 2009 is a vital resource for students preparing for their final examinations in physical science. This memorandum provides comprehensive solutions, explanations, and marking schemes for the June 2009 common exam, helping students understand the correct approaches to various questions. In this article, we will explore the key topics covered in the exam, breakdown of questions, detailed solutions, and tips for effective revision. Whether you are a student revising for your upcoming exam or a teacher seeking to guide your learners, this guide aims to enhance your understanding of the physical science paper from 2009.

Overview of the June Common Exam Physical Science 2009

The June Common Exam in Physical Science typically assesses students' understanding of core concepts such as matter, energy, chemical reactions, and the scientific method. The 2009 paper was designed to evaluate both theoretical knowledge and practical application skills.

Key Features of the 2009 Exam:

- Number of Questions: Usually around 15-20 questions covering various topics.
- Question Types: Multiple choice, short answer, calculations, and diagram-based questions.
- Marks Distribution: Total marks often range between 50-100, emphasizing both factual recall and analytical skills.
- Time Allocation: Recommended time is usually 1-2 hours, depending on the examination board.

Content Breakdown of the 2009 Physical Science Paper

Understanding the structure helps students to strategize their revision effectively. The 2009 exam generally covers the following topics:

1. Matter and Its Properties

- States of matter
- Changes of state
- Properties of gases, liquids, and solids

2. Atomic Structure and Elements

- Atomic models
- Elements and compounds
- Periodic table basics

3. Chemical Reactions

- Types of reactions (combustion, displacement, etc.)
- Balancing chemical equations
- Factors affecting reaction rates

4. Energy and Its Forms

- Kinetic and potential energy
- Heat transfer methods
- Efficiency of machines

5. Electricity and Magnetism

- Circuits and Ohm's law
- Magnetic fields
- Electromagnetic induction

6. Measurement and Experimental Skills

- Use of instruments
- Data collection and analysis
- Safety precautions

Detailed Solutions and Marking Schemes for Key Questions

Below is a detailed walkthrough of typical questions from the 2009 paper, including step-by-step solutions and marking guides.

Question 1: Multiple Choice on States of Matter

Sample Question:

Which of the following is an example of a gas at room temperature?

- a) Water
- b) Oxygen
- c) Iron
- d) Salt

Solution:

The correct answer is b) Oxygen.

Oxygen is a gas at room temperature, whereas water is a liquid, iron is a solid, and salt is a crystalline solid.

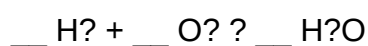
Marking Scheme:

- Correct choice: 1 mark
- Incorrect: 0 marks

Question 2: Balancing Chemical Equations

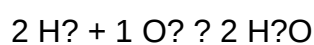
Sample Question:

Balance the chemical equation:



Solution:

The balanced equation is:



Steps:

- Count atoms on both sides
- To balance hydrogen: place 2 in front of H₂ on the reactant side
- To balance oxygen: place 1 in front of O₂, which produces 2 H₂O molecules

Marking Scheme:

- Correct coefficients: 2 marks
- Partial credit for balancing individual elements

Question 3: Calculations Involving Energy

Sample Question:

Calculate the amount of heat required to raise the temperature of 100 g of water from 20°C to 100°C. (Specific heat capacity of water = 4.2 J/g°C)

Solution:

Use the formula:

$$Q = mc\Delta T$$

Where:

Q = heat energy (J)

m = mass (g) = 100 g

c = specific heat capacity = 4.2 J/g°C

ΔT = change in temperature = 100°C - 20°C = 80°C

Calculation:

$$Q = 100 \text{ g} \times 4.2 \text{ J/g°C} \times 80^\circ\text{C} = 33,600 \text{ J}$$

Marking Scheme:

- Correct formula application: 2 marks

- Correct substitution and calculation: 3 marks

Tips for Effective Revision Using the Memorandum

1. Practice Past Papers

- Use the 2009 memorandum to simulate exam conditions.
- Focus on questions you find challenging.

2. Understand Concepts, Not Just Answers

- Review explanations in the memorandum to grasp underlying principles.
- Avoid rote memorization; aim for conceptual clarity.

3. Use the Marking Scheme to Self-Assess

- Check your answers against the memorandum.
- Identify areas for improvement.

4. Focus on Commonly Tested Topics

- Matter properties
- Chemical reactions and equations
- Energy transformations
- Electricity basics

5. Prepare a Revision Checklist

- List key topics and ensure you review each thoroughly.
- Practice questions related to each topic.

Additional Resources for Physical Science Revision

- Textbooks and Class Notes: Reinforce concepts covered in the memorandum.
- Online Tutorials: Visual aids can enhance understanding of complex topics.

- Study Groups: Discussing questions with peers can clarify doubts.
- Laboratory Manual: Practical skills are vital; review experiments related to the syllabus.

Conclusion

The **memorandum june common exam physical science 2009** is an invaluable resource for students aiming to excel in their physical science exams. It provides detailed solutions, marking schemes, and insights into the types of questions to expect. By thoroughly studying this memorandum, practicing past questions, and understanding the core concepts, students can significantly improve their performance and build confidence in their scientific knowledge and problem-solving abilities. Remember, consistent revision and a clear understanding of fundamental principles are key to success in physical science examinations.

Keywords for SEO Optimization:

Physical Science 2009, June Common Exam, Memorandum, Past Papers, Exam Solutions, Chemical Equations, Energy Calculation, Matter Properties, Science Revision Tips, Exam Preparation

Memorandum June Common Exam Physical Science 2009: An In-Depth Review and Guide

When preparing for the June Common Exam in Physical Science, students and educators alike turn to official memoranda for clarity, accuracy, and guidance. The Memorandum June Common Exam Physical Science 2009 stands out as a vital resource, offering detailed solutions, marking schemes, and insights into the examination's structure. In this comprehensive review, we will dissect the memorandum's components, explore its significance, and provide an expert analysis to maximize its utility for learners and teachers.

Overview of the Memorandum

The memorandum for the June 2009 Physical Science Common Exam serves as an authoritative document that accompanies the question paper. It is meticulously prepared by examiners to provide:

- Correct answers to all questions
- Step-by-step solutions for calculation-based questions
- Clarifications on question demands
- Marking schemes to guide scoring
- Additional notes for understanding complex concepts

This resource is crucial not only for post-exam review but also for formative assessments and

revision sessions. Its detailed nature aims to promote a thorough understanding of core scientific principles and problem-solving techniques.

Structure and Content of the Memorandum

The memorandum is organized systematically, reflecting the structure of the examination paper itself. Typically, it is divided into sections aligned with question categories: multiple choice, short answer, calculations, diagrams, and essay-type questions.

1. Multiple Choice Questions (MCQs)

While the actual memoranda often do not provide explicit explanations for MCQs, they do supply the correct options and reasonings where applicable. For example:

- Sample Question: What is the chemical formula of water?
- Answer: H_2O
- Explanation: The memoranda confirms the correct answer and may briefly explain the composition of water molecules.

Expert Tip: Use the answer keys as a quick reference, but always understand the underlying principles, such as molecular composition and bonding, to excel in similar questions.

2. Short Answer Questions

These often involve conceptual explanations or straightforward calculations. The memorandum provides:

- Precise answers
- Supporting explanations where necessary
- Relevant formulae and their applications

Example: Define conservation of energy.

Memorandum: Conservation of energy states that energy cannot be created or destroyed but only transformed from one form to another. The memorandum may include an example, such as potential energy converting into kinetic energy.

3. Calculation-Based Questions

These are often the most challenging parts of the exam, requiring detailed step-by-step solutions. The memorandum offers:

- Full derivations
- Correct application of formulae
- Final answers with appropriate units
- Marks allocated for each step

Example: Calculate the velocity of an object dropped from a height of 80 meters, neglecting air resistance.

Solution Provided:

Using $(v = \sqrt{2gh})$ where $g = 9.8 \text{ m/s}^2$

$(v = \sqrt{2 \times 9.8 \times 80})$

$(v = \sqrt{1568} \approx 39.6, \text{ m/s})$

Expert Insight: The detailed step ensures students understand the derivation and application of kinematic equations in free fall problems.

4. Diagrammatic Questions

When diagrams are involved, the memorandum often includes:

- Correct labeling
- Clear illustrative diagrams
- Explanations of the diagram's relevance to the question

Example: Draw and label a simple electric circuit with a battery, resistor, and switch.

The memorandum emphasizes accuracy and clarity, guiding students on proper diagram conventions.

5. Essay and Conceptual Questions

These require detailed explanations. The memorandum supplies model answers that cover:

- Key points
- Logical flow of ideas
- Scientific terminology
- Supporting diagrams or equations if needed

Example: Explain the greenhouse effect.

Answer Summary: The greenhouse effect involves the trapping of heat in Earth's atmosphere by greenhouse gases like CO₂ and methane, leading to global warming. The memorandum elaborates on how radiation from the sun is absorbed and re-emitted, creating a warming effect.

Marking Scheme and Its Significance

One of the memorandum's core features is the detailed marking scheme, which delineates:

- The points allocated for each part of a question
- Criteria for awarding marks
- Common pitfalls or misconceptions to avoid

Why is this important?

Understanding the marking scheme helps students prioritize their responses, allocate time efficiently, and avoid losing marks on minor errors. Teachers also rely on it to grade consistently and fairly.

Example:

For a calculation question worth 4 marks, a typical breakdown might be:

- 1 mark for correctly identifying the formula
- 1 mark for substituting the values
- 1 mark for correct calculation
- 1 mark for the final answer with units

This breakdown emphasizes the importance of showing all steps, which is critical for partial credit.

Key Concepts Covered in the Memorandum

The 2009 Physical Science exam and its memorandum span a broad spectrum of fundamental

topics. Here are some of the core areas thoroughly addressed:

1. Atomic Structure and Periodic Table

- Atomic models
- Electron configuration
- Periodic trends
- Isotopes

2. Chemical Bonding and Reactions

- Ionic and covalent bonds
- Balancing chemical equations
- Types of reactions (synthesis, decomposition, displacement)

3. Energy and Work

- Forms of energy
- Conservation of energy
- Work done calculations

4. Electricity and Magnetism

- Ohm's law
- Series and parallel circuits
- Electromagnetism principles

5. Waves and Sound

- Wave properties
- Reflection, refraction
- Sound propagation

6. Mechanics

- Motion equations
- Forces and Newton's laws
- Momentum and collisions

7. Materials and Their Properties

- Metals, non-metals
- Conductors and insulators
- Material uses

How to Use the Memorandum Effectively

The memorandum is more than just an answer key; it is a learning tool. Here's how students and teachers can maximize its utility:

For Students:

- Post-Exam Review: Study the solutions to identify gaps in understanding.
- Practice: Attempt questions independently before consulting the memorandum.
- Understanding Mistakes: Analyze errors and learn correct methods.
- Preparation: Use it as a guide for future topics and practice questions.

For Teachers:

- Assessment Consistency: Use the marking scheme to grade uniformly.
- Lesson Planning: Focus on areas where common mistakes occur.
- Student Support: Clarify misconceptions highlighted in answers.
- Exam Preparation: Design practice tests aligned with the exam's difficulty and scope.

Limitations and Considerations

While the memorandum is invaluable, it is essential to recognize its limitations:

- Contextual Understanding: Memoranda provide solutions but may lack detailed conceptual explanations necessary for deep understanding.
- Exam Variability: The actual exam questions can vary; thus, students should not rely solely on memoranda.

- Updates and Changes: Over time, curricula evolve; ensure the memorandum aligns with the current syllabus.

Conclusion: A Critical Resource for Success

The Memorandum June Common Exam Physical Science 2009 is a comprehensive, well-structured document that offers critical insights into the exam's expectations. Its detailed solutions, marking schemes, and explanations serve as a cornerstone for effective revision and learning.

For students aiming to excel, understanding the memorandum's content and using it as a learning tool fosters a deeper grasp of physical science principles. For educators, it provides a reliable basis for assessment and instructional planning.

In essence, this memorandum is not just a record of answers but a pathway to mastering physical science concepts and excelling in examinations. Proper utilization can significantly enhance a student's confidence, understanding, and academic performance in physical science.

Remember: The key to success in physical science is not just memorizing answers but understanding the why and how behind each solution. Use the memorandum as a guide, but always aim to build a solid conceptual foundation.

QuestionAnswer What are the key topics covered in the June 2009 Physical Science memorandum for the common exam? The memorandum covers topics such as motion and forces, work and energy, electricity and magnetism, atomic structure, and chemical reactions, aligned with the exam syllabus for June 2009. How does the June 2009 Physical Science memorandum explain the concept of Newton's First Law? It explains that an object remains at rest or in uniform motion unless acted upon by an external force, illustrating inertia with examples and relevant diagrams. What are the common types of questions addressed in the 2009 Physical Science exam memorandum? The memorandum provides solutions to multiple-choice questions, numerical problems, descriptive questions, and diagram-based questions, demonstrating step-by-step solutions where applicable. How does the 2009 Physical Science memorandum approach the topic of electricity and circuits? It explains series and parallel circuits, Ohm's Law, and provides example problems with detailed solutions to help students understand circuit calculations. Are there sample questions included in the 2009 Physical Science memorandum for practice? Yes, the memorandum includes sample questions similar to those in the June 2009 exam, along with detailed solutions to aid revision and practice. What insights does the June 2009 memorandum offer on atomic structure and chemical bonding? It describes the structure of an atom, electron configuration, and types of chemical bonds, with illustrative diagrams and explanations based on the exam questions. How does the memorandum handle questions related to energy and work in the 2009 exam? It provides formulas, concept explanations, and numerical examples to clarify how work is done and energy is transferred in physical systems. What tips or strategies are highlighted in the 2009 Physical Science

memorandum for students preparing for exams? While primarily solutions-focused, it emphasizes understanding concepts, showing detailed working steps, and practicing past questions to improve performance. Is the 2009 Physical Science memorandum useful for understanding the marking scheme of the exam? Yes, it often indicates the marks allocated to different questions and the expected key points in answers, helping students understand examiners' expectations. How can students best utilize the 2009 Physical Science memorandum for their exam preparation? Students should study the detailed solutions, compare them with their answers, practice similar problems, and review concepts thoroughly to strengthen their understanding.

Related keywords: memorandum, June, common exam, physical science, 2009, answer key, question paper, solutions, exam review, physics chemistry

A CONCISE HISTORY OF THE COMMON LAW

A Concise History of the Common Law

The common law is a fundamental legal system that has shaped the legal frameworks of many countries, particularly those with roots in England. Its development reflects centuries of judicial decisions, societal changes, and legislative reforms. Understanding the history of the common law provides valuable insight into how modern legal systems function and evolve. This article offers a comprehensive overview of the origins, evolution, and modern significance of the common law.

Origins of the Common Law

Early Medieval England

The roots of the common law trace back to the early medieval period in England, around the 9th and 10th centuries. During this time, England was a patchwork of local customs and laws, with each region applying its own rules. This fragmentation often led to inconsistent judicial decisions, creating challenges for fairness and stability.

The Role of Royal Authority

King William the Conqueror's Norman invasion in 1066 marked a pivotal point in unifying English law. Following the conquest, William sought to centralize authority and establish a uniform legal system to consolidate his rule. He appointed royal judges who traveled across the kingdom, applying royal justice consistently.

Development of Royal Courts

Over time, royal courts became the primary institutions for administering justice. These courts began to develop a body of precedents—that is, judicial decisions that serve as authoritative guides for future cases—laying the groundwork for the common law.

The Evolution of the Common Law

Growth of Judicial Precedent

A core feature of the common law is the doctrine of stare decisis, meaning "to stand by things decided." This principle emphasizes consistency and predictability in legal rulings.

- Judges looked to previous cases to decide new disputes.
- Over time, this created a coherent and gradually expanding body of law.

Magna Carta and Legal Reforms

In 1215, the Magna Carta was signed, limiting royal authority and recognizing certain legal rights. While initially a political document, it influenced the development of legal principles such as due process and the rule of law.

Common Law and Equity

As disputes grew more complex, rigid adherence to common law sometimes led to unfair results. To address this, courts of equity emerged in the late Middle Ages, providing remedies based on fairness rather than strict legal rules. Eventually, the common law and equity systems were merged, creating a more flexible and just legal framework.

Key Developments in the Medieval and Early Modern Periods

Expansion of Legal Principles

During the 13th and 14th centuries, English law expanded to cover new areas such as contracts, torts, and property law. Notable developments include:

- Refinement of property rights.
- Development of the law of contracts, emphasizing promises and obligations.
- Recognition of torts, addressing civil wrongs and damages.

Legal Commentaries and Texts

Prominent legal scholars, like Sir Edward Coke and William Blackstone, authored influential commentaries:

- Sir Edward Coke's reports helped formalize common law principles.
- William Blackstone's Commentaries on the Laws of England (1765-1769) became a foundational text, shaping legal thought for generations.

Colonial Spread of Common Law

As Britain expanded its empire, the common law was exported to colonies such as the United States, Canada, Australia, and India. These jurisdictions adapted and developed their own legal systems based on English common law principles.

The Common Law in Modern Times

Reform and Codification

In the 19th and 20th centuries, many countries undertook legal reforms to simplify and codify laws:

- Introduction of statutes to supplement or replace common law rules.
- Development of comprehensive legal codes, such as the Civil Code in France and the German Bürgerliches Gesetzbuch (BGB).

Despite this, the common law remains vital, especially in areas like contracts, torts, and property law.

Common Law Today

Modern common law systems are characterized by:

- Judicial discretion and case-by-case analysis.
- Use of precedent to ensure consistency.
- Integration with statutory law, which often overrides or complements common law principles.

Courts continue to interpret and evolve legal principles through decisions that respond to contemporary societal needs.

Global Influence

The common law's principles influence legal systems worldwide. Countries such as the United States, Canada, Australia, and many former British colonies rely heavily on common law doctrines, while integrating local statutes and customs.

Significance of the Common Law

Flexibility and Adaptability

One of the key strengths of the common law is its ability to adapt over time. Judicial decisions can respond to new situations without waiting for legislative action, allowing the law to evolve organically.

Foundation for Legal Reasoning

The common law provides a framework for legal reasoning based on precedent, principles, and case analysis, fostering consistency and fairness.

Influence on Modern Legal Systems

Its legacy persists in:

- Legal doctrines and principles still in use today.
- The development of legal institutions and procedures.
- Legal education and scholarly research.

Conclusion

The history of the common law is a testament to the dynamic interplay between judicial decisions, societal changes, and legislative reforms. From its medieval origins to its modern application across the globe, the common law continues to shape the administration of justice in numerous jurisdictions. Its enduring principles of precedent, fairness, and adaptability ensure its relevance in addressing contemporary legal challenges. Understanding this rich history not only enriches our knowledge of law but also highlights the importance of judicial evolution in fostering justice and stability in society.

A Concise History of the Common Law

The evolution of the common law is a story that traces back over a millennium, shaping the legal

systems of many countries, notably the United Kingdom and its former colonies. Rooted in medieval England, the common law's development reflects a blend of judicial decisions, legislative acts, and societal changes. This article explores the origins, significant milestones, and modern adaptations of the common law, providing a comprehensive yet accessible overview of this foundational legal tradition.

Origins of the Common Law: Medieval Foundations

The Anglo-Saxon Legal Landscape

Before the Norman Conquest of 1066, England's legal framework was fragmented, primarily consisting of customary laws practiced by local communities. These customary laws varied widely across regions and were often unwritten, relying on local traditions and informal judgments. The lack of a unified legal system meant that justice was inconsistent, and disputes were often settled through local customs or royal intervention.

The Norman Conquest and Centralization

The Norman Conquest marked a turning point. William the Conqueror introduced a more centralized authority, which laid the groundwork for the development of a unified legal system. He established royal courts and appointed royal officials to administer justice uniformly, replacing disparate local customs with royal authority.

Early Royal Courts and Common Law Formation

During the 12th century, royal courts such as the Curia Regis (King's Court) became the primary venues for dispensing justice. These courts began to develop consistent legal principles, gradually replacing local customs with standardized rules. This process led to the emergence of a body of law that was common across the realm—the "common law."

The term "common law" initially referred to laws common to all of England, as opposed to local or customary laws. It was characterized by its reliance on judicial decisions—precedents—that provided consistency and predictability.

The Development and Principles of the Common Law

Case Law and Judicial Precedent

A cornerstone of the common law system is the doctrine of stare decisis, meaning "to stand by things decided." Under this principle, courts follow previous judicial decisions when ruling on similar cases. This reliance on precedent ensures consistency and helps law evolve gradually over time.

In practice, judges examined past decisions to resolve current disputes, creating a body of case law that grew with each ruling. This method contrasted with civil law systems, which rely heavily on codified statutes.

Legal Doctrines and Notable Cases

Throughout the medieval period, several legal doctrines emerged, shaping the common law:

- The Writ System: Formal written commands initiated lawsuits, providing procedural consistency.
- The Development of Tort Law: Cases involving personal injury and negligence laid the foundations for modern tort law.
- Property and Contract Law: Judicial decisions clarified rights over land and commercial agreements.

Notable cases, such as *Donoghue v. Stevenson* (1932), established principles like negligence, demonstrating how judicial reasoning influences broader legal doctrines.

The Role of Legal Scholars and Commentators

Legal scholars, such as Sir Edward Coke in the 17th century, contributed to the development and interpretation of the common law. Their writings helped clarify legal principles and influenced future judicial decisions.

The Expansion and Formalization of the Common Law

The Magna Carta and Limitations on Royal Power

The 1215 Magna Carta was a pivotal document that limited royal authority and recognized certain legal rights, laying the groundwork for constitutional principles within the common law tradition. It emphasized the importance of lawful due process, influencing subsequent legal developments.

The Establishment of Parliament and Statutory Law

While the common law was primarily judge-made law, the emergence of Parliament in the 13th century introduced statutory law—laws enacted by legislative bodies. Over time, statutes supplemented and sometimes superseded common law principles, leading to a dual legal system that coexists today.

The Growth of Legal Institutions

Legal institutions such as the Court of Common Pleas, the King's Bench, and later, the Court of Appeals, formalized judicial processes. These courts handled specific types of cases and contributed to the system's consistency and authority.

The Common Law in Modern Times

Adaptation to Societal Changes

From the Industrial Revolution onwards, the common law faced new societal challenges?industrialization, urbanization, and technological advancements. Courts adapted by developing new doctrines and refining existing ones to address issues like corporate liability, intellectual property, and digital privacy.

Influence of Equity and Statutes

To mitigate rigidities in the common law, courts developed the doctrine of equity, allowing for more flexible remedies such as injunctions and specific performance. Legislation also played a significant role, with statutes like the Law of Property Act 1925 modernizing property law.

The Common Law Today: A Dynamic System

Today, the common law remains a living system, continuously evolving through judicial decisions, legislative amendments, and societal values. Its principles underpin the legal frameworks of many nations, especially those with historical ties to England, such as the United States, Canada, Australia, and India.

Conclusion: The Legacy and Future of the Common Law

The history of the common law is a testament to the adaptive and resilient nature of this legal tradition. From its humble beginnings rooted in local customs, it has grown into a sophisticated system balancing precedent, legislation, and equitable principles. As society continues to change, the common law will likely remain a vital component of legal development, demonstrating its ability to evolve while maintaining continuity with its historical roots.

In understanding this history, we gain insight into how legal principles shape societal structures and individual rights?a story that continues to unfold in courts and legislatures around the world.

QuestionAnswer What is the common law and how did it originate? The common law is a body of legal principles developed through judicial decisions and customs in England, originating in the medieval period around the 12th century, and has since influenced many legal systems worldwide. How did the common law evolve during the medieval period? During the medieval period, royal

courts began to resolve disputes uniformly, developing consistent legal principles and establishing precedents that formed the foundation of the common law. What role did the Magna Carta play in the development of common law? Signed in 1215, the Magna Carta limited royal authority and laid down principles of justice, influencing the development of common law by emphasizing rights and the rule of law. How did the common law spread beyond England? Through colonization and the British Empire, the common law was exported to countries like the United States, Canada, Australia, and India, shaping their legal systems. What is the significance of judicial precedent in the common law system? Judicial precedent, or *stare decisis*, ensures consistency and stability by requiring courts to follow previous decisions when ruling on similar cases, a cornerstone of common law. How has the common law adapted to modern legal challenges? The common law has evolved through judicial interpretation and legislative reforms to address contemporary issues such as digital privacy, human rights, and environmental law. What are some key differences between common law and civil law systems? Common law relies heavily on case law and judicial decisions, whereas civil law systems are based on codified statutes and comprehensive legal codes. Why is understanding the history of common law important today? Understanding its history helps contextualize current legal principles, appreciate the development of justice systems, and recognize the influence of centuries of legal tradition on modern law.

Related keywords: common law, legal history, judicial system, legal principles, medieval law, case law, legal evolution, English law, law development, legal tradition

Read the full article online: [A CONCISE HISTORY OF THE COMMON LAW](#)