

## GATTACA Analysis Questions

Please write answers in your journal

1. As the opening credits roll, the letters A, T, C and G get highlighted in people's names. Describe the significance of these letters.
2. Write the complimentary strand of DNA nucleotide bases for a segment of DNA with nucleotide base sequence: GATTACA.
3. What is the significance of the spiral staircase in Jerome and Vincent's home?
4. Health benefits provided by employers and health insurance companies help pay for their employees' care if they become ill. Explain how a gene test could be *used against* a prospective employee or someone applying for insurance. How were Vincent's genes used against him in the movie?
5. DNA for genetic testing can be collected from a small amount of blood, hair, saliva, and other body fluids. During a party scene in GATTACA, a woman submits a saliva sample from a recent kiss to screen her potential boyfriend/husband's DNA. Do you think that she was violating his rights by doing this without his knowledge, or is she just protecting herself from choosing an unsuitable partner?
6. How much would a DNA test reveal about someone's personality and intelligence?
7. We witnessed Vincent's parents visiting a doctor who specialized in child conception to select for the best traits for his future brother. The parents hoped that his brother would have the best possible chances for a successful life. Some of the traits mentioned in GATTACA included any possibility of inherited diseases, height, and perhaps intelligence. If you and your partner decide to have a child one day and are given the opportunity to select for special traits, would you do so? Why or why not?
8. What extreme measures is Vincent willing to undertake to achieve his dreams?
9. Discuss the real Jerome "Eugene" Morrow. How is his relationship with Vincent symbiotic? In what ways is perfection both a burden and a curse?
10. A *cautionary tale* attempts to warn the viewer about the flaws of an individual or society. What warning is the film attempting to raise? How does the film do this?



# Gattaca Questions And Answer Key

**Sean D. Aas, Collin O'Neil, Chiara  
Lepora**



## Gattaca Questions And Answer Key:

**Film and Philosophy**, 2007      **(Per)Versions of Love and Hate** Renata Salecl, 2000-06-17 Why when we are desperately in love do we endlessly block union with our love object Why do we often destroy what we love most Why do we search out the impossible object Is it that we desire things because they are unavailable and therefore to keep desire alive we need to prevent its fulfillment Renata Salecl explores the distributing and complex relationships between love and hate violence and admiration libidinal and destructive drives through an investigation of phenomenon as diverse as the novels *The Age of Innocence* and *The Remains of the Day* classic Hollywood melodramas the Sirens song Ceau escu s Rumania and the Russian performance artist Oleg Kulik who acts like a dog and bites his audience *Per Versions of Love and Hate* presents a unique and timely intervention in contemporary debates by questioning the legitimacy of the calls for tolerance and respect by multiculturalism and exploring practices such as body mutilation as symptoms of the radical change that has affected subjectivity in contemporary society      **Classic Questions and Contemporary Film** Dean A. Kowalski, 2015-08-24 Featuring significant revisions and updates *Classic Questions and Contemporary Film* An Introduction to Philosophy 2nd Edition uses popular movies as a highly accessible framework for introducing key philosophical concepts Explores 28 films with 18 new to this edition including *Eternal Sunshine of the Spotless Mind* *Hotel Rwanda* *V for Vendetta* and *Memento* Discusses numerous philosophical issues not covered in the first edition including a new chapter covering issues of personal identity the meaningfulness of life and death and existentialism Offers a rich pedagogical framework comprised of key classic readings chapter learning outcomes jargon free argument analysis critical thinking and trivia questions a glossary of terms and textboxes with notes on the movies discussed Revised to be even more accessible to beginning philosophers      **Different Engines** M. Brake, N. Hook, 2007-11-04 Since its emergence in the seventeenth century science fiction has been a sustained coherent and subversive check on the promises and pitfalls of science In their turn invention and discovery have forced fiction writers to confront the nature and limits of reality *Different Engines* traces the way in which we've imagined the future      *Handbook of Research on Science Literacy Integration in Classroom Environments* Tai, Chih-Che, Moran, Renee M. R., Robertson, Laura, Keith, Karin, Hong, Huili, 2018-10-12 Secondary schools are continually faced with the task of preparing students for a world that is more connected advanced and globalized than ever before In order to adequately prepare students for their future educators must provide them with strong reading and writing skills as well as the ability to understand scientific concepts *The Handbook of Research on Science Literacy Integration in Classroom Environments* is a pivotal reference source that provides vital research on the importance of cross curriculum discipline connections in improving student understanding and education While highlighting topics such as curriculum integration online learning and instructional coaching this publication explores practices in teaching students how to analyze and interpret data as well as reading writing and speaking This book is ideally designed for teachers graduate level students academicians instructional

designers administrators and education researchers seeking current research on science literacy adoption in contemporary classrooms

**Plato and Popcorn** William G. Smith, 2015-09-18 Many believe there is nothing like seeing a good movie one that is enjoyable both in itself and for the thought processes it stimulates From The Usual Suspects and When Harry Met Sally to Gandhi and The Color Purple this handbook functions as a guide to watching and reflecting upon 75 great films The author a philosophy instructor presents a text designed to lead readers through a series of intellectual gymnastics to help strengthen critical thinking abilities and to inspire exciting and philosophical thoughts and discussions Civil Disobedience Death Fate and Determinism War Sexism and Women s Issues Gay Rights The Greatest Happiness Principle Anxiety and Inauthenticity and The Holocaust are examples of the 18 different categories into which the films are divided Each chapter includes the author s introductory comments to be read prior to watching movies along with a section of Questions to Ponder to be considered afterward Photographs of many movie scenes are included throughout the text Instructors considering this book for use in a course may request an examination copy here

**Outer Origin** Laura Johnson Dahlke, 2024-04-25 Outer Origin examines the individual social and spiritual implications of ectogenesis also known as artificial womb technology Formerly considered the topic of science fiction such devices are currently being developed and will soon be a medical reality This book offers readers information on the status of this technology and considers the ways in which it may one day fully replace human gestation Ectogenesis has previously been assessed with the future child in mind but this book instead envisions what it might mean for women It explores the value of pregnancy and childbirth in the twenty first century and questions the notion that artificial wombs will lead to full equality of the sexes Outer Origin seeks to elevate the maternal experience by reflecting on the meaning of reproductive technology in our lives People everywhere must ponder the significance of what has heretofore been their most common link shared natality and birth If not Homo sapiens will enter a deep dive into the unknown that of not being of woman born

**Transcend the Flesh** Tobiasz Mazan, 2015-04-17 Do you want to live forever End all suffering Transcend bodily fluids and reach the stars Sure But you may pay for it with your soul

Engineering the Human Bert Jaap Koops, Christoph H. Lüthy, Annemiek Nelis, Carla Sieburgh, J.P.M. Jansen, Monika S. Schmid, 2013-02-12 The volume is collection of articles treating the topic of human improvement enhancement from a variety of perspectives philosophical literary medical genetic sociological legal etc The chapters in this volume treat not only those aspects that most immediately come to mind when one thinks of human enhancement such as genetic engineering cloning artificial implants and artificial intelligence etc Somewhat less obvious aspects include evolutionary perspectives in connection with the prolongation of the human lifespan plastic surgery since its beginnings and questions such as whether the distinction between natural and artificial can really be drawn at all and how it has been conceived across the ages or what the legal implications are of recent developments and techniques Many papers make links to the representation of these developments in popular culture from Jules Verne through Aldous Huxley to the movie Gattaca address the hopes and

fears that come with them as well as the question how realistic these are While all chapters are written by scientists at the international top of their respective fields all are accessible to a non specialist audience and eminently readable We believe that they represent a state of the art overview of questions that are of interest to a large audience The book thus targets a non specialist audience with an interest in philosophical sociological scientific and legal issues involved in both traditional and recent matters concerning the desire of mankind to improve itself the human body the human mind and the human condition It is unique in that it brings together all these aspects within a coherent and cohesive collection **Hollywood**

**Science** Sidney Perkowitz, 2010-02-22 In this book a scientist and dedicated film enthusiast discusses the portrayal of science in more than one hundred films including science fiction scientific biographies and documentaries Beginning with early films like Voyage to the Moon and Metropolis and concluding with more recent offerings like The Matrix War of the Worlds A Beautiful Mind and An Inconvenient Truth Sidney Perkowitz questions how much faith we can put into Hollywood's depiction of scientists and their work how accurately these films capture scientific fact and theory whether cataclysms like our collision with a comet can actually happen and to what extent these films influence public opinion about science and the future Bringing together history scientific theory and humorous observation Hollywood Science features dozens of film stills and a list of the all time best and worst science fiction movies **Christianity & Bioethics** Mark Wesley Foreman, 1999 It's

difficult to see a family member suffer yet is it right to take actions to relieve that suffering which might hasten their death Is human cloning something we should allow to happen Should doctors be allowed to assist patients who choose to die rather than continue to live in pain or with a disease As medical technology improves the challenges to your ethical and religious convictions will certainly increase Sooner or later you will find yourself making medical choices that have faith implications This book will help you begin the process of determining what you believe God would want you to do in the face of these challenging situations This is a must read book **Bioethics** Sean D. Aas, Collin O'Neil, Chiara Lepora, 2024-02-12 Bioethics 50 Puzzles Problems and Thought Experiments collects 50 cases both real and imaginary that have been or should be of special interest and importance to philosophical bioethics Cases are collected together under topical headings in a natural order for an introductory course in bioethics Each case is described in a few pages which includes bioethical context a concise narrative of the case itself and a discussion of its importance both for broader philosophical issues and for practical problems in clinical ethics and health policy Each entry also contains a brief annotated list of suggested readings In addition to the classic cases in bioethics the book contains discussion of cases that involve several emerging bioethical issues especially issues around disability social justice and the practice of medicine in a diverse and globalized world Key Features Gives readers all chapters presented in an identical format The Case Responses Suggested Readings Includes reference to up to date literature in journals devoted both to more generalist ethics and to bioethics Offers short and self contained chapters allowing students to quickly understand an issue and giving instructors flexibility in assigning readings to match the themes

of the course Features actual or lightly fictionalized cases in humanitarian aid offering a type of case that is often underrepresented in bioethics books Authored by three scholars who are actively involved in the central research areas of bioethics     *Surveillance Studies* David Lyon,2007-07-30 The study of surveillance is more relevant than ever before The fast growth of the field of surveillance studies reflects both the urgency of civil liberties and privacy questions in the war on terror era and the classical social science debates over the power of watching and classification from Bentham to Foucault and beyond In this overview David Lyon one of the pioneers of surveillance studies fuses with aplomb classical debates and contemporary examples to provide the most accessible and up to date introduction to surveillance available The book takes in surveillance studies in all its breadth from local face to face oversight through technical developments in closed circuit TV radio frequency identification and biometrics to global trends that integrate surveillance systems internationally Surveillance is understood in its ambiguity from caring to controlling and the role of visibility of the surveilled is taken as seriously as the powers of observing classifying and judging The book draws on international examples and on the insights of several disciplines sociologists political scientists and geographers will recognize key issues from their work here but so will people from media culture organization technology and policy studies This illustrates the diverse strands of thought and critique available while at the same time the book makes its own distinct contribution and offers tools for evaluating both surveillance trends and the theories that explain them This book is the perfect introduction for anyone wanting to understand surveillance as a phenomenon and the tools for analysing it further and will be essential reading for students and scholars alike

**Medial Bodies between Fiction and Faction** Denisa Butnaru,2020-06-03 In the past decades developments in the fields of medicine new media and biotechnologies challenged many representations and practices questioning the understanding of our corporeal limits Using concrete examples from literary fiction media studies philosophy performance arts and social sciences this collection underlines how bodily models and transformations thought until recently to be only fictional products have become a part of our reality The essays provide a spectrum of perspectives on how the body emerges as a transitional environment between fictional and factual elements a process understood as faction     *Transformed States* Martin Halliwell,2024-11-15 *Transformed States* offers a timely history of the politics ethics medical applications and cultural representations of the biotechnological revolution from the Human Genome Project to the COVID 19 pandemic In exploring the entanglements of mental and physical health in an age of biotechnology it views the post Cold War 1990s as the horizon for understanding the intersection of technoscience and culture in the early twenty first century The book draws on original research spanning the presidencies of George H W Bush and Joe Biden to show how the politics of science and technology shape the medical uses of biotechnology Some of these technologies reveal fierce ideological conflicts in the arenas of cloning reproduction artificial intelligence longevity gender affirmation vaccination and environmental health Interweaving politics and culture the book illustrates how these health issues are reflected in and challenged by literary and cinematic

texts from *Oryx and Crake* to *Annihilation* and from *Gattaca* to *Avatar* By assessing the complex relationship between federal politics and the biomedical industry *Transformed States* develops an ecological approach to public health that moves beyond tensions between state governance and private enterprise To that end Martin Halliwell analyzes thirty years that radically transformed American science medicine and policy positioning biotechnology in dialogue with fears and fantasies about an emerging future in which health is ever more contested Along with the two earlier books *Therapeutic Revolutions* 2013 and *Voices of Mental Health* 2017 *Transformed States* is the final volume of a landmark cultural and intellectual history of mental health in the United States journeying from the combat zones of World War II to the global emergency of COVID 19

*Numerical Simulation, An Art of Prediction, Volume 2* Jean-François Sigrist, 2020-01-08 Numerical simulation is a technique of major importance in various technical and scientific fields Whilst engineering curricula now include training courses dedicated to it numerical simulation is still not well known in some economic sectors and even less so among the general public Simulation involves the mathematical modeling of the real world coupled with the computing power offered by modern technology Designed to perform virtual experiments digital simulation can be considered as an art of prediction Embellished with a rich iconography and based on the testimony of researchers and engineers this book shines a light on this little known art It is the second of two volumes and gives examples of the uses of numerical simulation in various scientific and technical fields agriculture industry Earth and universe sciences meteorology and climate studies energy biomechanics and human and social sciences      The Picture of Health Henri Colt, Silvia Quadrelli, Friedman Lester, 2011-05-10 Film and literature have long been mined for interesting examples and case studies in order to teach biomedical ethics to students This volume presents a collection of about 80 very brief accessible essays written by international experts from medicine social sciences and the humanities all of whom have experience using film in their teaching of medical ethics Each essay focuses on a single scene and the ethical issues it raises and the volume editors have provided strict guidelines for what each essay must do while also allowing for some creative freedom While some of the films are obvious candidates with medical themes *Million Dollar Baby* *The Diving Bell and the Butterfly* some are novel choices such as *Pan's Labyrinth* or *As Good as It Gets* The book will contain several general introductory chapters to major sections and a complete filmography and cross index at the end of the book where readers can look up individual films or ethical issues      *Technoscience in Contemporary Film* Aylish Wood, 2002 This analysis of images of science and technology from popular films of the 1980s and 1990s argues that films as diverse as the science fiction film *Jurassic Park* contribute to popular understandings of science and technology

**Get the Picture** Brent Marchant, 2007-01-01 Conscious creation is the theory that we create our own reality when we watch the movie screen Brent Marchant examines psychological aspects of motion pictures      Medicine's Moving Pictures Leslie J. Reagan, Nancy Tomes, Paula A. Treichler, 2007 This groundbreaking book argues that health and medical media with their unique goals and production values constitute a rich cultural and historical archive and deserve greater scholarly

attention Original essays by leading media scholars and historians of medicine demonstrate that Americans throughout the twentieth century have learned about health disease medicine and the human body from movies Heroic doctors and patients fighting dread diseases have thrilled and moved audiences everywhere amid changing media formats medicine s moving pictures continue to educate entertain and help us understand the body s journey through life Perennially popular health and medical media are also complex texts reflecting many interests and constituencies including notably the U S medical profession which has often sought if not always successfully to influence content circulation and meaning Medicine s Moving Pictures makes clear that health and medical media representations are more than illustrations shows their power to shape health perceptions practices and policies and identifies their social cultural and historical contexts Contributors Lisa Cartwright Vanessa Northington Gamble Rachel Gans Boriskin Valerie Hartouni Susan E Lederer John Parascandola Martin S Pernick Leslie J Reagan Naomi Rogers Nancy Tomes Paula A Treichler Joseph Turow Leslie J Reagan is an associate professor at the University of Illinois Urbana Champaign Nancy Tomes is a professor at Stony Brook University Paula A Treichler is a professor at the University of Illinois Urbana Champaign



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