

Name: _____ Period: _____ Date: _____ Time: _____



Gattaca (1997) directed by Andrew Niccol

Cast

Ethan Hawke as Vincent Freeman, impersonating Jerome Morrow
Uma Thurman as Irene Casper
Alan Arkin as Detective Hugh
Federic Lam as Jerome Eugene Morrow
Loren Dean as Anton Freeman
Evela Borngässer as Cassia
Tony Shalhoub as German

Crew

Director: Andrew Niccol
Producers: Cherry DeVito, Michael Shumberg, Sherry Shear, and Gail Lynn
Writer: Andrew Niccol
Editor: Lisa Benz Chargin
Director of Photography: Shawnee Smith
Music: Michael Nyman
Distribution/Studio Company: Columbia Pictures, Jerry Bruckheimer, and Sony Pictures Releasing
MPAA Rating: PG-13
Running Time: 112 minutes

Background and Introduction to Gattaca

Gattaca is a 1997 American dystopian science fiction film written and directed by Andrew Niccol in his feature directorial debut. The film presents a future society driven by eugenics where children are conceived through genetic selection to ensure they possess the best hereditary traits of their parents. The film centers on Vincent Freeman, played by Hawke, who was conceived outside the eugenics program and struggles to overcome genetic discrimination to realize his dream of going into space.

The film draws on concerns over reproductive technologies that facilitate eugenics, and the possible consequences of such technological developments for society. It also explores the idea of destiny and the ways in which it can and does govern lives. Characters in Gattaca continually battle both with society and with themselves to find their place in the world and who they are destined to be according to their genes. The film is noted for its unique use of color. Cinematographer Shawnee Smith employed vibrant gold, green, and electric blue tones throughout the film, and shot the film in Super 16mm format, which adds an enlarged layer of grain.

The film was shot under the working title *The Eighth Day*, a reference to the seven days of creation in the Bible. However, by the time its release was scheduled for the fall of 1997, the Belgian film *Le huitième jour* had already been released in the US under the title *The Eighth Day*. As a result, the film was retitled *Gattaca*, which takes inspiration from the letters G, A, T, and C, derived from four of the nucleobases of DNA: guanine, adenine, thymine and cytosine. The film tanked at the box office and only earned a domestic total of \$32.3 million against a reported budget of \$36 million. It was a 1997 nominee for the Academy Award for Best Art Direction and the Golden Globe Award for Best Original Score. A follow-up series was in development at Showtime, but has been cancelled as of 2003. Gattaca currently holds an 82% fresh rating on Rotten Tomatoes with the following critics' consensus: "Intelligent and scientifically provocative, Gattaca is an absorbing sci-fi drama that poses important interesting ethical questions about the nature of science." (Poster and screenshots © Columbia Pictures, 1997)

Gattaca Study Guide Questions

Stephen K. George



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The Human Genome Project in College Curriculum Aine Donovan, Ronald Michael Green, 2008 Begun formally in 1990 the U S Human Genome Project's HGP goals were to identify all the 20 000 to 25 000 genes in human DNA determine the sequences of the three billion chemical base pairs that make up human DNA store this information in databases improve tools for data analysis and transfer related technologies to the private sector It was the first large scientific undertaking to address potential issues that arose from project data and opened up vast possibilities for the use of genetic data and the alteration of our genetic makeup This volume is the first to address the diverse range of ethical issues arising from the HGP and enables professors to bring this critically important topic to life in the classroom

Classic Questions and Contemporary Film Dean A. Kowalski, 2015-08-26 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

Personal Genome Medicine Michael J. Malinowski, 2023-08-31 Draws from the past and present of medicine in the U S to address the emerging future of personal genome medicine

Emerging Evangelicals James S.

Bielo, 2011 The Emerging Church movement developed in the mid 1990s among primarily white urban middle class pastors and laity who were disenchanted with America's conservative Evangelical sub culture. It is a response to the increasing divide between conservative Evangelicals and concerned critics who strongly oppose what they consider overly slick corporate and consumerist versions of faith. A core feature of their response is a challenge to traditional congregational models often focusing on new church plants and creating networks of related house churches. Drawing on three years of ethnographic fieldwork, James S Bielo explores the impact of the Emerging Church movement on American Evangelicals. He combines ethnographic analysis with discussions of the movement's history, discursive contours, defining practices, cultural logics, and contentious interactions with conservative Evangelical critics to rethink the boundaries of Evangelical as a category. Ultimately, Bielo makes a novel contribution to our understanding of the important changes at work among American Protestants and illuminates how Emerging Evangelicals interact with the cultural conditions of modernity, late modernity, and visions of postmodern Christianity. James S Bielo is Visiting Assistant Professor of Anthropology at Miami University in Oxford, OH. He is the author of *Words Upon the Word: An Ethnography of Evangelical Group Bible Study* (NYU Press) and editor of *The Social Life of Scriptures: Cross cultural Perspectives on Biblicalism*.

Making Sense of Nature Noel Castree, 2013-08-15 We listen to a cacophony of voices instructing us how to think and feel about nature, including our own bodies. The news media, wildlife documentaries, science magazines, and environmental NGOs are among those clamouring for our attention. But are we empowered by all this knowledge, or is our dependence on various communities allowing our thoughts, sentiments, and activities to be unduly governed by others? *Making Sense of Nature* shows that what we call nature is made sense of for us in ways that make it central to social order, social change, and social dissent. By utilising insights and extended examples from anthropology, cultural studies, human geography, philosophy, politics, sociology, science studies, this interdisciplinary text asks whether we can better make sense of nature for ourselves and thus participate more meaningfully in momentous decisions about the future of life, human and non-human, on the planet. This book shows how nature can be made sense of without presuming its naturalness. The challenge is not so much to rid ourselves of the idea of nature and its collateral concepts, such as genes, but instead we need to be more alert to how, why, and with what effects ideas about nature get fashioned and deployed in specific situations. Among other things, the book deals with science and scientists, the mass media and journalists, ecotourism, literature and cinema, environmentalists, advertising, and big business. This innovative text contains numerous case studies and examples from daily life to put theory and subject matter into context, as well as study tasks, a glossary, and suggested further reading. The case studies cover a range of topics, ranging from forestry in Canada and Guinea to bestiality in Washington State, to how human genetics is reported in Western newspapers, to participatory science experiments in the UK. *Making Sense of Nature* will empower readers from a wide range of fields across the social sciences, humanities, and physical sciences.

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

Bioethics at the Movies Sandra Shapshay,2009-01-28 D Thomas R Cole University of Texas Health Science Center at Houston Metapsychology *Science-fiction Studies* , [A Student's Guide to A2 Religious Studies for the AQA Specification](#) Dennis Brown,2003 [Ethics, Literature, and Theory](#) Stephen K. George,2005-07-07 Ethics Literature and Theory An Introductory Reader brings together the work of contemporary scholars teachers and writers into lively discussion on the moral role of literature and the relationship between aesthetics art and ethics Do the rich descriptions and narrative shapings of literature provide a valuable resource for readers writers philosophers and everyday people to imagine and confront the ultimate questions of life Do the human activities of storytelling and complex moral decision making have a deep connection What are the moral responsibilities of the artist critic and reader What can religious perspectives_from Catholic to Protestant to Mormon_contribute to literary criticism What do we mean when we talk about ethical criticism and how does this differ from the common notion of censorship Thirty well known contributors reflect on these questions including literary theorists Marshall Gregory James Phelan and Wayne Booth philosophers Martha Nussbaum Richard Hart and Nina Rosenstand and authors John Updike Charles Johnson Flannery O Connor and Bernard Malamud Divided into four sections with introductory matter and questions for discussion this accessible anthology represents the most crucial work today exploring the interdisciplinary connections among literature religion and philosophy

What We Inherit Sam Trejo,Daphne O. Martschenko,2026-02-03 Debating the use of genomic tools and their societal impact Over the past decade the field of human genetics has produced an extraordinary range of discoveries including the refinement of polygenic scores which use a person s DNA to estimate their likelihood of developing a trait or disease But are these new technologies ready to leave the research lab and be deployed in schools fertility clinics and the wider world In What We Inherit Sam Trejo and Daphne Martschenko offer different perspectives on the societal impact of the rapidly unfolding DNA revolution Trejo a sociologist and expert on the complex ways people s genes influence their life s trajectory believes that new genomic tools if used thoughtfully can improve society Martschenko a bioethicist who specializes in the thorny social issues raised by

biomedical advances is more cautious They debate both the risks and the opportunities posed by such new technologies as at home genetic tests and polygenic embryo selection all while engaging in a wide ranging dialogue on ideology biology and social inequality While grappling with these new technologies Trejo and Martschenko remind us that we inherited from our ancestors not only DNA but also wrongheaded ideas about genes Together they caution against two particularly harmful genetic myths that genes determine an individual s future and that race and genetics are inherently connected A polygenic score for example is not a definitive marker for disease And race is a sociopolitical construct not a biological identity Trejo and Martschenko argue that to avoid exacerbating social inequality we need to begin regulating genomic tools sooner rather than later

Contemporary Moral Issues Lawrence M. Hinman, 2016-07-01 Contemporary Moral Issues is an anthology that provides a selection of readings on contemporary social issues revolving around three general themes Matters of Life and Death Matters of Equality and Diversity and Expanding the Circle which includes duties beyond borders living together with animals and environmental ethics The text contains a number of distinctive high profile readings and powerful narratives including Jonathan Foer s Eating Animals Eva Feder Kittay s On the Ethics of Selective Abortion for Disability and Susan M Wolf s Confronting Assisted Suicide and Euthanasia My Father s Death Each set of readings is accompanied by an extensive introduction a bibliographical essay pre reading questions and discussion questions

Film and Philosophy, 2007 **Science, Technology And Culture** Bell, David, Hollows, Joanne, 2005-11-01 This book introduces students to cultural studies of science and technology It equips students with an understanding of science and technology as aspects of culture and an appreciation of the importance of thinking about science and technology from a cultural studies perspective Individual chapters focus on topics including popular representations of science and scientists the place of science and technology in everyday life and the contests over amateur fringe and pseudo science Each chapter includes case studies ranging from the MMR vaccine to UFOs and from nuclear war to microwave ovens For students in cultural studies media studies sociology and science and technology studies

The Moral of the Story Nina Rosenstand, 1999 This popular text uses examples from fiction and film to show how ethical theories can be applied By linking abstract theory to real life through storytelling and story analysis Rosenstand offers a remarkably effective way of helping students understand and evaluate moral issues Pub description

Kinesis, 2003 *Philosophy through Film* Amy Karofsky, Mary M. Litch, 2014-07-11 Many of the classic questions of philosophy have been raised illuminated and addressed in celluloid In this Third Edition of *Philosophy through Film* Mary M Litch teams up with a new co author Amy Karofsky to show readers how to watch films with a sharp eye for their philosophical content Together the authors help students become familiar with key topics in all of the major areas in Western philosophy and master the techniques of philosophical argumentation The perfect size and scope for a first course in philosophy the book assumes no prior knowledge of philosophy It is an excellent teaching resource and learning tool introducing students to key topics and figures in philosophy through thematic chapters each of which is linked

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Prenatal and Preimplantation Diagnosis Joann Paley Galst, Marion S. Verp, 2015-08-26 This book aims to expand the awareness and understanding of the emotional sequelae of prenatal preimplantation diagnosis prenatal decision making pregnancy interruption for fetal anomaly multifetal reduction for high order multifetal pregnancies and preimplantation choices involving the selection of embryos Featuring a multi disciplinary approach it examines prenatal and preimplantation diagnosis from medical legal ethical and psychosocial perspectives Prenatal and Preimplantation Diagnosis is an excellent resource for obstetricians reproductive endocrinologists clinical geneticists genetic counselors and mental health professionals seeking to better support patients faced with difficult choices

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