

GLOBAL 10



Chapter 36: Global Interdependence 1960-Present

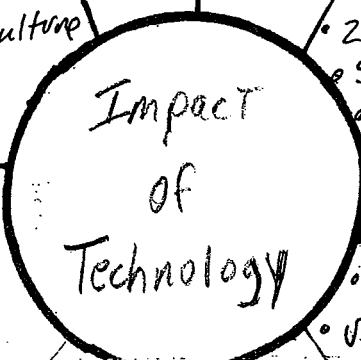
Section 1: The Impact of Science and Technology

Section 2: Global Economic Development

Section 3: Global Security Issues

Section 4: Terrorism

Section 5: Cultures Blend in a Global Age



Genetics

180's, genetics or the study of heredity through research on genes or hereditary units responsible for specific traits

Genetic Engineering:

- Introduce new genes into an organism to give that organism new traits.

Cloning: The creation of identical copies of DNA, the chemical chains of genes that determine heredity

- To reproduce both plants + animals that are identical to existing plants + animals
- Biggest breakthrough came in Agriculture

Transforming Human Life

Tech Progress in Science, Medicine Improve quality of lives

Health + Medicine:

- Microscopes, Lasers, Ultrasound advanced Surgical Techniques
- CAT scans + MRI's generated 3D Images of organs for Diagnosis + Detection

Communication Networks

- 1990's Internet or the voluntary linkage of computer networks around the world
- IT began in late 1960's linking Scientists
- 195-2002 Worldwide Internet users increased from 26 million to 600 million
- Conducting Business on Internet became way of life
- Internet + Fax Machines Change way business is connected.

Green Revolution

- Overall Many have viewed the Revolution a success because of Increased Surplus + holds great promise
- Negatives: Dangerous Chemicals used causing Cancer + pollution, Also smaller farms created Debt from buying expensive tools + seeds
- It helped Avert Famine and Increase crop yields in many parts of world
- Scientists promote use of fertilizers pesticides, high-yield, disease resistant strains of a variety of crops
- 1960's Attempt to Increase food production worldwide

Exploring Solar System

- SPACE Exploration Became only arena for Cooperation between US + USSR
- Because of Heavy Emphasis on Science + Technology
- Cooperation in Space: 1972
- Cooperative program between US + Soviets to dock Spacecrafts
- July 1975 goal achieved on TV
- Soyuz 28 was 1st to go International Space station in 1978 - ORBITS Earth
- US Space Shuttle used to help build International Space Station.
- International Space Station: ISS (1998)
- Football size + houses crew of 6
- 2003 Conducted more than 100 Experiments
- Shuttle Crash of Columbia 2003 hurt progress
- Recent Cancellation of Shuttle have left it to RUSSIANS to carry equipment.

Exploring The Universe

- Unmanned Space probes have reached out
- Soviet Venera studied Venus in 1970's
- US Magellan in 1990's studied Venus
- US Voyager 2 Explored Jupiter, Saturn, Uranus, + Neptune + sent back photos
- US Pathfinder landed on Mars 1997
- 1990 NASA + European Space Agency ESA work together to launch the Hubble Space Telescope

Smaller Computers

- 1940's Computer took up whole room
- Since then Computer has been miniaturized
- Change due to Space program + need to downsize
- Silicon chips replaced bulky vacuum tubes
- Silicon chips hold millions of microscopic circuits
- Created microwave ovens, telephones, keyboards

Exploring Global Communication

- Since 1960's Satellites have aided worldwide communications + created a global village with political + cultural events witnessed worldwide
- All made possible by the computer becoming smaller.

Impact of Globalization

Political: Need for Oil

- 1970's OPEC oil Embargo
- Organization Petroleum Exporting Countries
- Embargo = Restricts Trade
- Especially hurt Developing Nations
- 1990 Iraq Invasion of Kuwait.
- Sparks Persian Gulf War Coalition

Environment: Burning of oil + coal
 • CO₂ Released into Atmosphere + Caused air pollution, Acid Rain + Global Warming OR Ozone layer destroyed by CFCs or Chlorofluorocarbons

- Increased ultraviolet radiation has Caused SKIN Cancer
- Also Erosion of land + animal Extinction

Globalization Against

- Disaster For Poor Nations
- Investment Practices + Trade Agreements hurt poorest Nations
- Creates Conflict because of unfair System
- Takes jobs From high paid workers in Developed Nations
- Benefits those who already have money
- Hurts local Cultures

Globalization FOR:

- Open Competitive MKTs Benefits all nations
- Increases Standard of living
- Developed Nations Benefit the Most
- Promotes Peace Through Trade
- Creates jobs in Emerging Nations
- Promotes Investments in less developed nations
- Creates Sense of World Community

Green Growth has 2 goals:
 ① preservation of Environment
 ② Conservation of Resources
 • Manage development So that growth can occur w/o environmental problems
Sustainable Growth



Technology Revolutionizes

Economies of USA, Japan + W Europe Expand after WWII Because of Science + Technological advances

Information Industries:

- Tech advances in manufacturing such as Robots reduced factory work
- Computers transmit Info Quick + Cheap
- Info Industries such as Financial Services, Insurance, MKT. Research Boom
- More Demand for "Knowledge Workers"

Effects on New Economies: SHIFTS

- Manufacturing jobs move out of Developed Nation
- Jobs move to Emerging Nations OR those in process of Industrializing
- Chosen because of Cheap, Eager workers
- "Knowledge workers" move to developed Nations

Economic Globalization

Colonialism existed before Global Economy
 • Global Economy: 2nd Half of 1800's
 • Crosses International Borders because of Improved Communication + Computers
 • Multinational Corporations Develop

Regional Trade Bloc

• 1951 EEC European Economic Community was formed to promote Tariff-Free Trade among most West European Nations + changes to EU or European Union since 1992 + Inspire NAFTA OR NORTH AMERICAN FREE Trade in US, Canada, Mexico

Multinational Corps: Companies

that operate in # of different Countries.
 Exxon, Ford, GM, Mobil, Toyota, B.P.
 • All have established Factories + Plants
 • Utilize Cheap Resources + Labor
 • View World as Market for their goods.

Expanding Free Trade

- Free Trade: OR Elimination of Trade barriers such as Tariffs that Restrict Trade
- By 1947 Nations Begin Open Trade
- GATT: General Agreement Tariffs + Trade
- generally lowers protective Tariffs + Expands Trade
- 1955 WTO World Trade Organization = Regulates Trade

Population Movement

- Push-Pull Factors
- global movement of people increased dramatically
- Pushed Out of homeland due to drought, famine, political oppression
- Refugees or people who leave their country to find safety
- Pulled In for hope of a better life
- Migrate to Developed Nation

- Positive: Immigrants make valuable addition + contribution to New Nations
- Bring Experience + Knowledge
- Negative: Huge # caused many Camps + overcrowded problems
- Uncertain Future

Migration Effects

War + Peace Issues

WWI + Cold War
Bring greater desire for Collective Security.

NATIONS UNITE:

NATO: North Atlantic Treaty Organ.

SEATO: South East Asia Treaty Organ

UN: United Nation

• All seek Collective Security.

Peace Keeping Activity:

UN: Provides public Forum + private meetings, skilled mediators, Peacekeepers
By 2002 40,000 Troops in 13 Nations

W.M.D: Weapons of Mass Destruction

- Nuclear, Chemical, Biological weapons
- 1968 Nuclear Proliferation Treaty or Stop Spread of Nuclear Weapons
- STRATEGIC Arms Limitation Treaty or SALT (1980's)

Global Security Issues

Health Issues

- SARS: Severe Acute Respiratory Syndrome
- pneumonia-like disease from China that rapidly spread throughout ABIA,
- Serious Economic problems occur

AIDS: Acquired Immune Disease

- 1980's = 1st Cases By 2002 = 42 million cases living with HIV
- The virus that causes AIDS
- 2001 UN Issued Declaration of Commitment on HIV/AIDS

Human Rights Violations

- Political Dissent or difference of opinion over Political Issues
- Persecuted for holding different political views
- 1970's heighten Awareness Inspires Women to hold 1975 Conference on Women's Status/gender Inequality

Disarming Iraq

- Iraq used Chemical Weapons on his own people
- After Persian Gulf War Saddam Hussein Promised to destroy Chemical Weapons
- By 2002 Saddam came under Suspicion
- By 2003 Western Coalition under USA defeats Saddam who is later Executed.

Ethnic + Religious Conflicts:

KUROS = SW Asia - are victims of Torture + Massacres in towns
• Their Traditional border crosses 3 Nations: Turkey Iraq + Iran all persecute them

Women's Status Improves

- Push For New laws + govt policies for Equality
- 1975 UN Held 1st of 4 Conferences

Human Rights Issues

- Universal Declaration of Human Rights 1948
- Set human Rights Standards for all Nations
- Listed specific Rights that all humans should have including Right to Life, Liberty, + security of a person.
- Helsinki Accords 1975: UN address Issues of freedom of movement + freedom to publish
- Amnesty International Reports Human Rights Violations

ATTACK ON U.S.A.

9/11 19 Arab terrorists hijack 4 planes + crash 2 into NYC World Trade Center.
 • Other 2 hit Pentagon + empty field in Pennsylvania

Destruction: World Trade Center Collapsed Killing about 3,000 people including 340 NY Firefighters + 60 police officers
 • All passengers in planes died

Impact: Big Change for Americans
 • Terrorism Came Home to USA
 • Americans Vulnerable + Afraid
 • Few days later - Anthrax bacteria Attack to Members of Congress.

Africa + Latin America

Africa: al-Qaeda Cells operated in many African nations attacking US Embassies in Kenya + Tanzania
 • US responded with missile attacks on suspected bin Laden Terrorist Sites
Latin America: Narcoterrorism or Terrorism Linked to drug trafficking especially Columbia By FARC (Revolutionary Armed Forces of Columbia)

Europe + Asia

Europe: IRA (Catholic Irish Republic Army) Committed Terrorist Attacks against Britain Because they oppose Britain's Control of N. Ireland
 • al-Qaeda Under Osama bin Laden moved to Afghanistan 1996 controlled by Taliban
 • Aum Shinrikyo ("Supreme Truth") is a religious cult that wants to control Japan
 • Used Nerve gas in crowded Tokyo Subway

Aviation + Transportation Security Act made Airport Security Responsibility of govt.

US Patriot Act: 2001 Anti terrorism Bill becomes Law
 • detain foreigners Suspected of terrorism for 7 days/No charges/IN Society/govts
 • Tap Phones Used by Suspects, + their Email + Internet use
 • Search Warrants Valid across States/Search Bank Accounts
 • Prosecute w/out Time Restrictions

Dept of Homeland Security: 2002
 • New Cabinet office to coordinate national efforts against Terrorism
 • "Sleepers" or agents that move into US + Blend to secretly plan Terrorism

osama bin Laden: Brought to Justice
 • US Takes Military Action against Taliban in Afghanistan

US Responds

TERRORISM

Middle East

• Many Terrorist groups have roots in Israeli - Palestinian Conflict over land
 • Palestine Islamic Jihad, Hamas, Hizballah are groups wanting homeland for Palestinians + denying Israel's Right to Exist. = Cycle of Violence

What is Terrorism?

• Violence against peop. or property to force Change in Society/govts

Modern Terrorism:

• Driven by Radical + Cultural Motives with motives for Independence, Expel foreigners + Changing Society with goal to destroy Forces of evil
 • Willing to use any weapon + willing to die for the Cause

Terrorist Methods: Involve Violence

• Attack public places, vulnerable + Symbolic of their Cause.
 • Targets are Carefully Chosen to gain most attention + Intimidation + have used biological + Chemical agents. that are easily Acquired

Cyber Terrorism

• Politically motivated attacks against Information Systems. Hacking into networks or spreading viruses
 • As govts become more Reliant on Computers to store data Cyber Terrorism will increase

Responding To Terrorism:

• Govts Track down + punish Terrorists
 • Strike Back by assassinating Terrorist leaders
 • Security Measures are tighten to reduce targets

Terrorism Around the World

• 1972 Summer Olympic Games Munich Germany
 • Palestinian terrorist group Kills 11 Israeli athletes during Standoff.
 • It was First Modern International Terrorist Act

