

1979 - Thatcher's government:

urban investment

1991 - Major's 👢

companies and local

authorities

racism.

house prices,

government: focus on

partnerships between private

Cause

Wealth gap, unfair wages

and informal work.

Discrimination due to

social, demographic or

economic grouping, e.g.

High land values, high

gentrification and private

housing developments.

focus on privatisation and private

area.

museums

Fortress developments: housing and business complexes with high security; may include deterrents for outsiders, such as high walls.

Postmodern Western

cities: the concept

that all cities are

becomina

homogenised as a

result of globalisation.

1997 - Blair's

government: focus on

regeneration and

regional development

Socio-economic issues associated with urbanisation

Effect

Poverty, social inequalities

Social segregation, social

injustices, wealth gaps

Unaffordable housing.

(slums / shanty towns)

informal settlements

and homelessness.

and physical/verbal

harassment.

and poor standard of

living.

British Urban Policy

CBD: Central business district

Management

'Living wages' and

opportunities.

improved employment

Public education on

2010 Equality Actl.

employment.

diversity and inclusivity.

Legal reforms le.a. UK's

help-to-buy schemes,

NGO involvement and

improved accessibility to

Affordable housing quotas.

Equal opportunities for all.

Cultural and heritage

auarters: areas of

historical significance

Urbanisation

Counter-urbanisation: when people move from urban areas to rural areas in search of a better quality of life loccurs mostly in HICs)

Urban resurgence:

redevelopment of an

urban area to increase

economic flows

Regeneration or

Suburbanisation: smaller urban communities on the outskirts of cities and towns

Factors of

urbanisation

Urbanisation rates have been increasing since

the Industrial Revolution in HICs and are rapidly increasing in LICs and NEEs

Push and pull factors encourage rural-urban Urban sprawl: migration lone of the most When cities common pull factors expand outwards being increased into nearby rural employment opportunities) areas

→ Decentralisation: when shops and businesses move away from the CBD and inner city to surrounding areas in the suburbs and out-oftown retail and industrial parks

> **Deindustrialisation** has led to urban decline in many cities (especially in HICs). This has led to poverty, dereliction and increased crime rates in some areas.

URBAN CLIMATE

Temperatures: urban areas have a microclimate and experience the urban heat island effect. This makes urban areas hotter than surrounding rural areas, due to the low albedo of urban infrastructure absorbing solar radiation and giving off heat. Extreme urban heat can affect vulnerable groups of society.





Precipitation: can be higher over urban areas (largely due to the urban heat island effect contributing to convection currents above the urban areal. There is a higher chance of thunderstorms in urban areas, which poses a risk to the highly dense population.

Wind: channelling and the Venturi effect create strong winds through narrow streets and between buildings. This can be dangerous for some people or can be used as natural air conditioning in hot countries (e.g. UAE).



Air: photochemical fog and smog is an issue in some urban areas, causing poor air quality and affecting the human respiratory system, as well as affecting the natural ecosystem.

Pollution-reduction strategies

- Legislations, e.g. UK Clean Air Act (1956).
- Low/zero emission zones.
- Pedestrianisation of certain urban areas/streets.
- Regenerating derelict areas to incorporate sustainable designs.

urban areas have children Urban change

Natural urban

population growth

occurs when

people living in

2000s onwards: devolution of power to local councils and New Deal for Communities (NDC) scheme

Economic shift: rise of the tertiary (services) and quaternary Iresearch and development) industries

Gentrification: redevelopment of a run-down area that usually results in social inequalities and prices out locals

BAN ENVIRONMENTS

URBAN DRAINAGE

- Impermeable surfaces of infrastructure make natural drainage difficult.
- This also makes urban areas at risk of flash flooding.
- Rainwater is directed to drains and then on to rivers away from the city; this can create issues downstream, such as excess erosion and salinisation.
- Sustainable Urban Drainage Systems (SUDS) are a method of ensuring excess rainwater can percolate into the environment as naturally as possible. Examples include green roofs, urban greening (planting trees) and rainwater recycling.

SYNOPTIC GEOGRAPHY

Changing places: how are urban places represented in the media? How do people create a sense of place from urban areas? Water and carbon cycles: how does the urban environment affect the natural water cycle?

Hazards: how do urban areas relate to areas associated with hazards?

Population and the environment: why do people tend to live in urban areas?



CASE STUDY: RIVER RESTORATION

The Magnificent Marden Project

Volunteers have been asked to help rebuild the riverbank, to increase biodiversity. The project is still ongoing but has so far been successful.

Strategies such as this help to reduce the impact of urban drainage into nearby rivers which creates pressure on riverbanks and risks bursting. This could lead to flash flooding.



A photo of Shanghai, showing the smog in the city

SUSTAINABLE URBAN FUTURES

- Urban areas tend to have high ecological footprints (the amount of resources or environmental stresses required to do an activity or make a product).
- Urban greening is a method of incorporating sustainability into urban development. Not only do trees, plants and open green spaces improve air quality and create permeable surfaces, they are also linked to a better quality of life for residents.
- Incorporation of SUDS to reduce risk of flash flooding and encourage natural water drainage.
- Urban areas in LICs and NEEs can 'leapfrog' certain aspects of development to incorporate higher rates of sustainability, e.g. solar panels for energy on newly built houses and offices.
- Sustainable cities must include all dimensions of environmental, economic and social sustainability.
- Liveability refers to how well an urban area gives a good quality of life to all of its residents; aspects include good accessibility, affordable housing. open/green spaces and good air/water quality.
- e.g. Bristol is often considered a sustainable city due to its increasing accessible public transport and extensive cycle routes.



URBAN WASTE

Personal: household waste; food, packagina, clothina

Commercial: from retail, catering, offices and e-waste

Industrial: infrastructural (building wastel, hazardous waste

Development is generally leading to more people having a disposable income and, therefore, spending it on items that produce waste. Types of waste management include:

Unregulated: causes significant environmental issues, such as pollution, and affects the ecosystem as well as causing a hazard to human health.

Recycling: can be energy-intensive and there is a limit to how many times a material can be recycled. Incineration: burning waste. Unfiltered incineration leads to harmful emissions (CO $_2$, SO $_2$) and air pollution. lacksquare

Recovery: when energy is recovered from incineration of waste materials; filters are often used to reduce emissions. e.g. Viridor Energy Recovery Facility near Cardiff, UK.

Burial and landfill: causes pollution and land degradation, and is seen as the least sustainable option. Materials such as plastics are unlikely to ever decompose, and pose high risks to the ecosystem.

Submergence: burial of waste underwater (seas, lakes). It is illegal in most countries but still occurs and causes pollution. Trade: often cheaper to buy waste materials than to source new, raw materials. China buys waste from the UK