basic education

Department:
Basic Education
REPUBLIC OF SOUTH AFRICA

NATIONAL SENIOR CERTIFICATE

GRADE 12

GEOGRAPHY P1

FEBRUARY/MARCH 2014

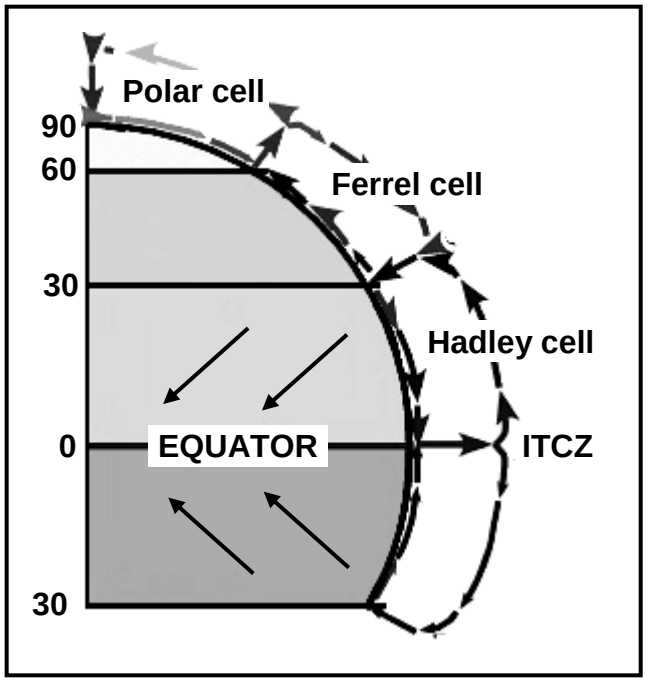
ANNEXURE

This annexure consists of 10 pages.

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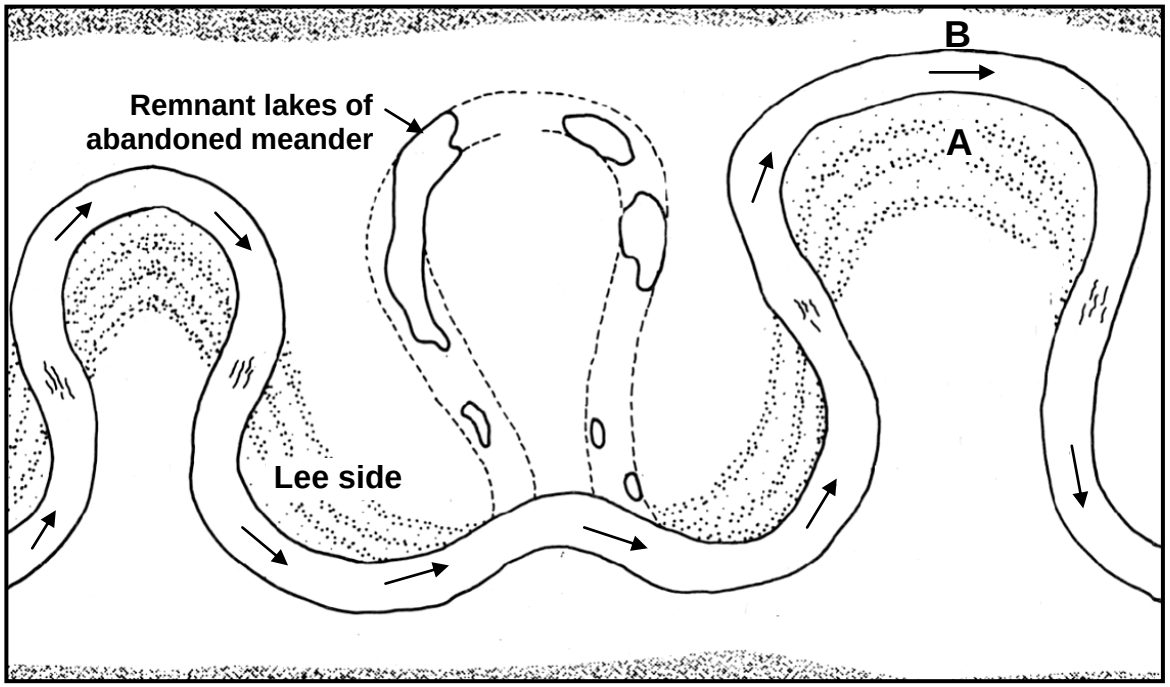
GAUTENG

FIGURE 1.1: TRI-CELLULAR CIRCULATION



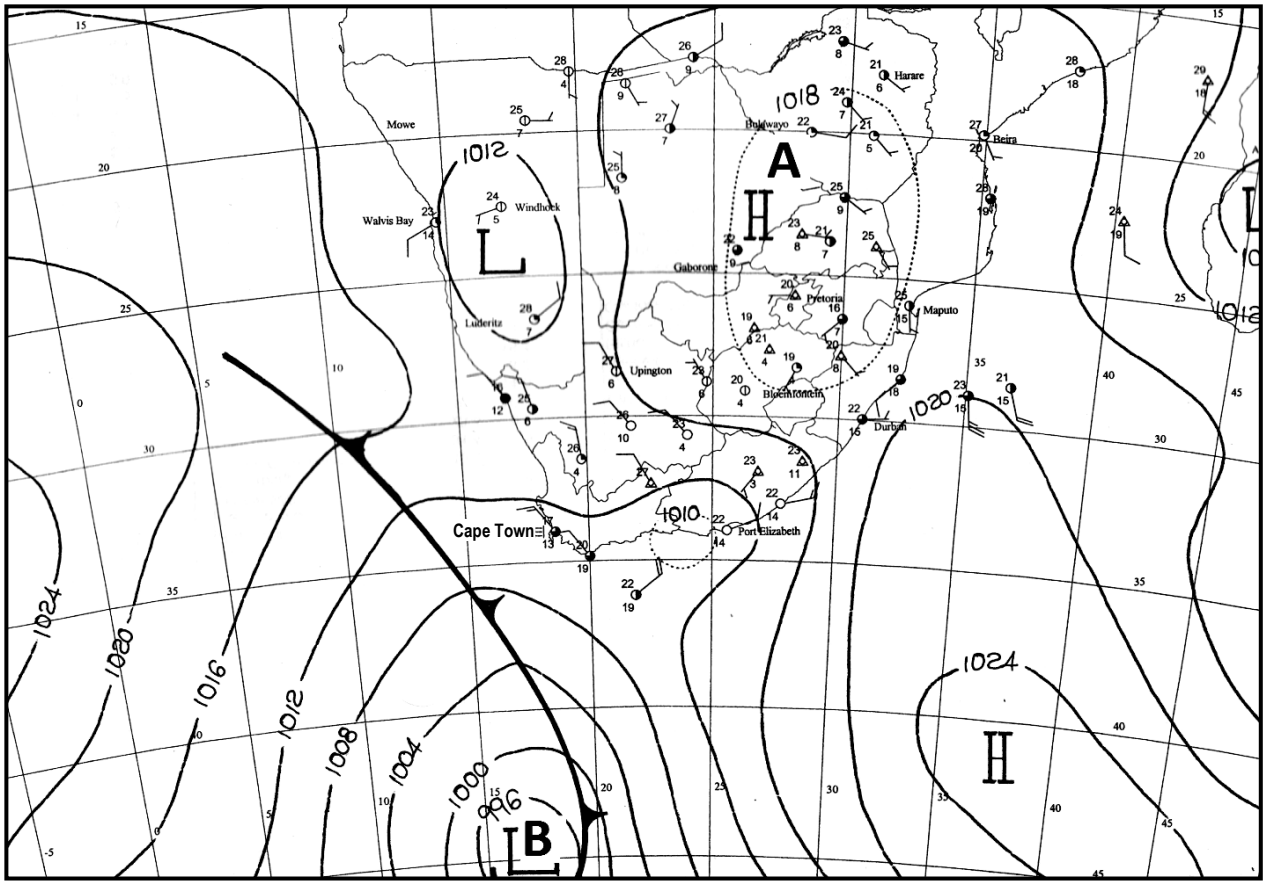
[Source: Adapted from Google Image]

FIGURE 1.2: RIVER MEANDER



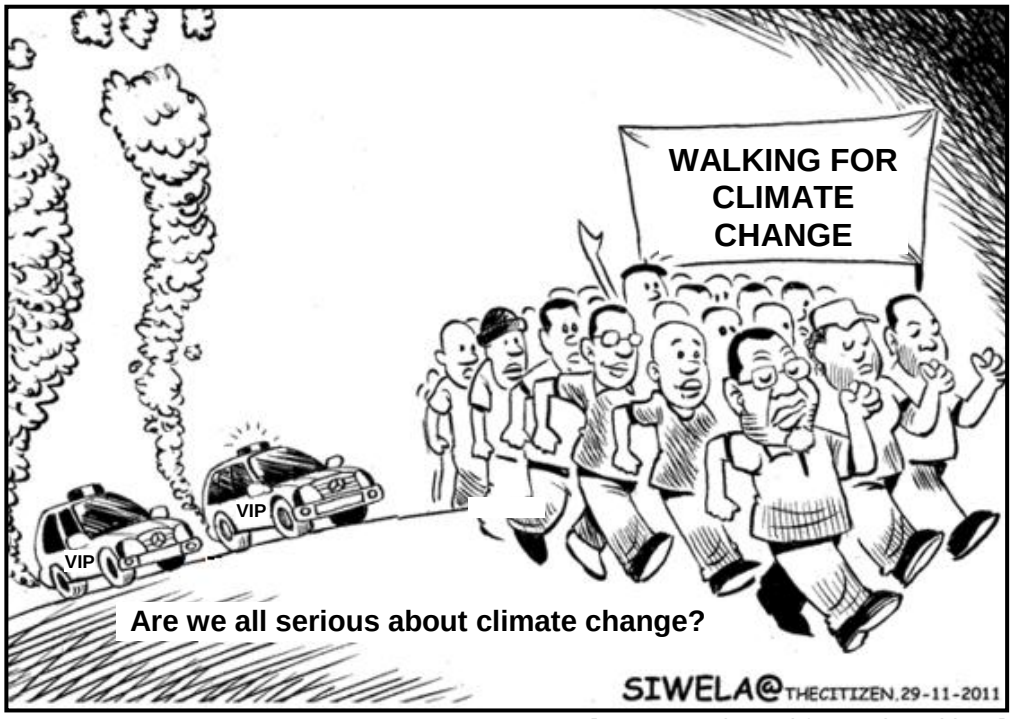
[Source: Adapted from *Dynamic Landscapes*]

FIGURE 1.3: SYNOPTIC WEATHER MAP



[Source: South African Weather Service]

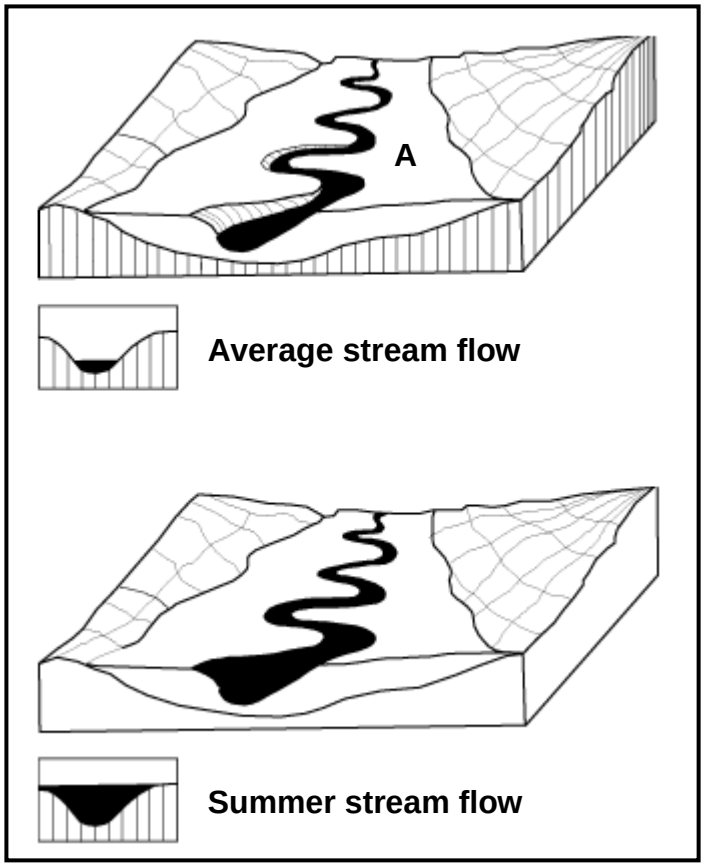
FIGURE 1.4: CLIMATE CHANGE



VIP – Very important person

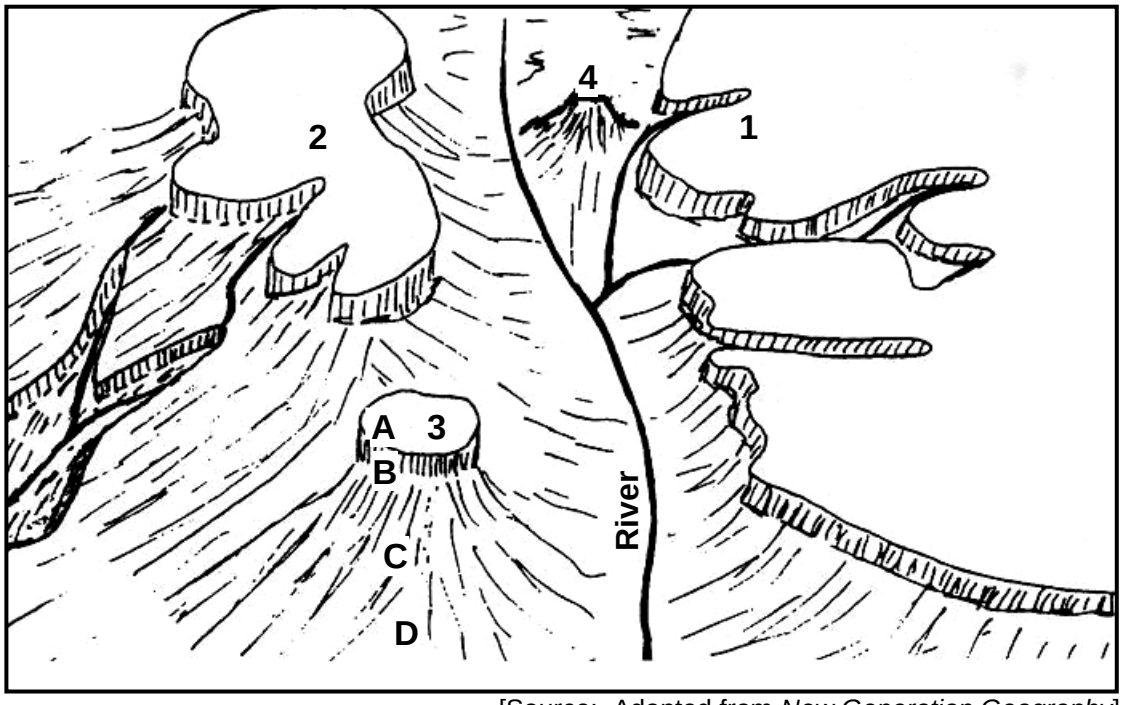
[Source: Adapted from *The Citizen*]

FIGURE 1.5: FLUVIAL PROCESSES



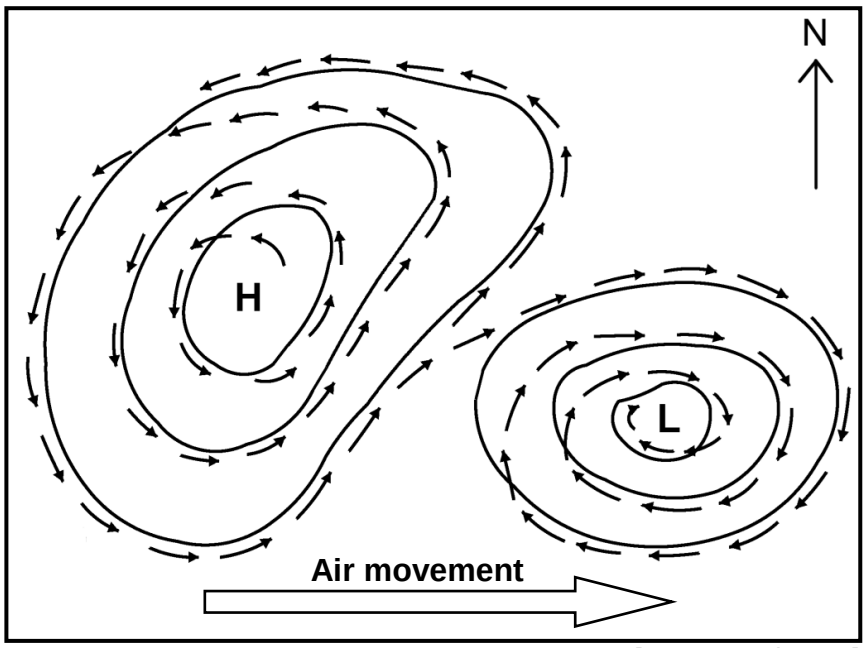
[Source: Adapted from Google Image]

FIGURE 1.6: STRUCTURAL LANDFORMS



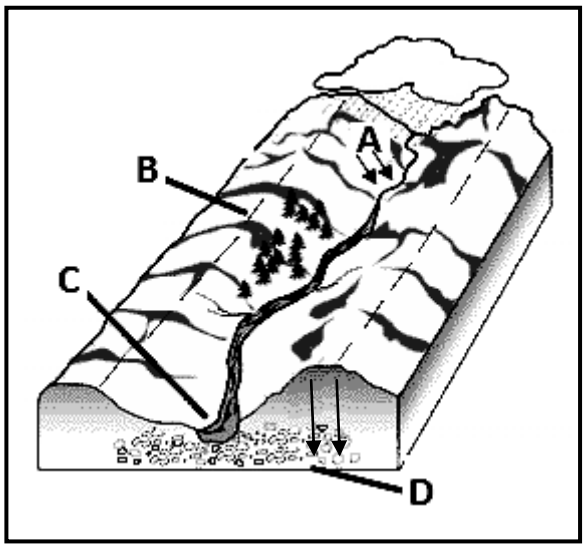
[Source: Adapted from *New Generation Geography*]

FIGURE 2.1: HIGH- AND LOW-PRESSURE CELLS



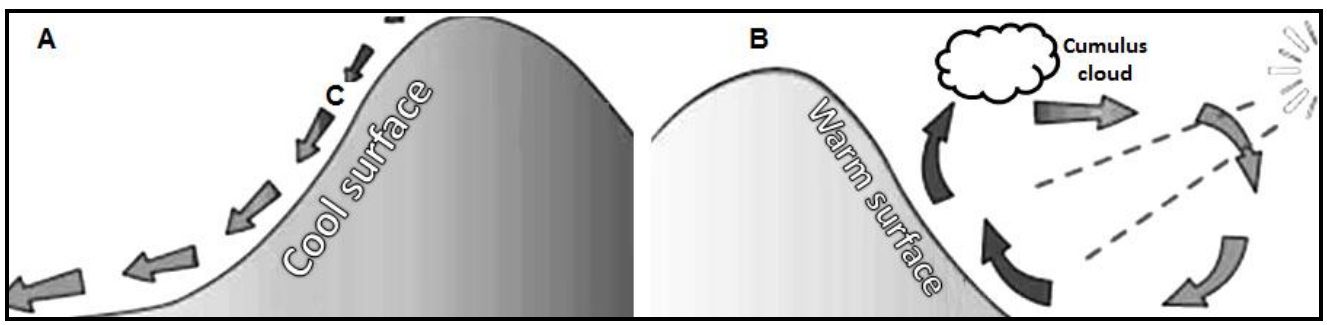
[Source: Unknown]

FIGURE 2.2: RIVER SYSTEM



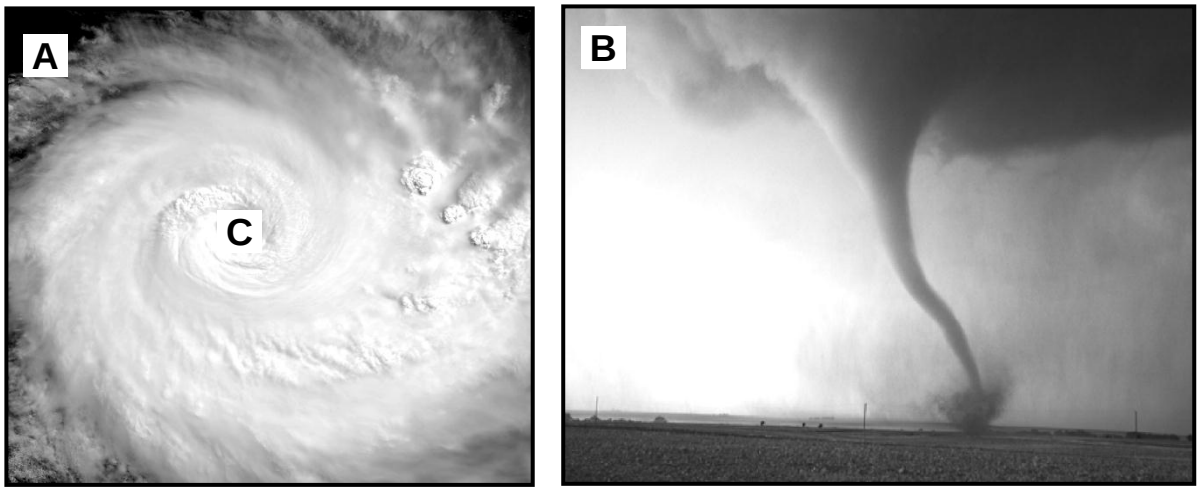
[Source: Adapted from *Dynamic Landscapes*]

FIGURE 2.3: LOCAL WINDS



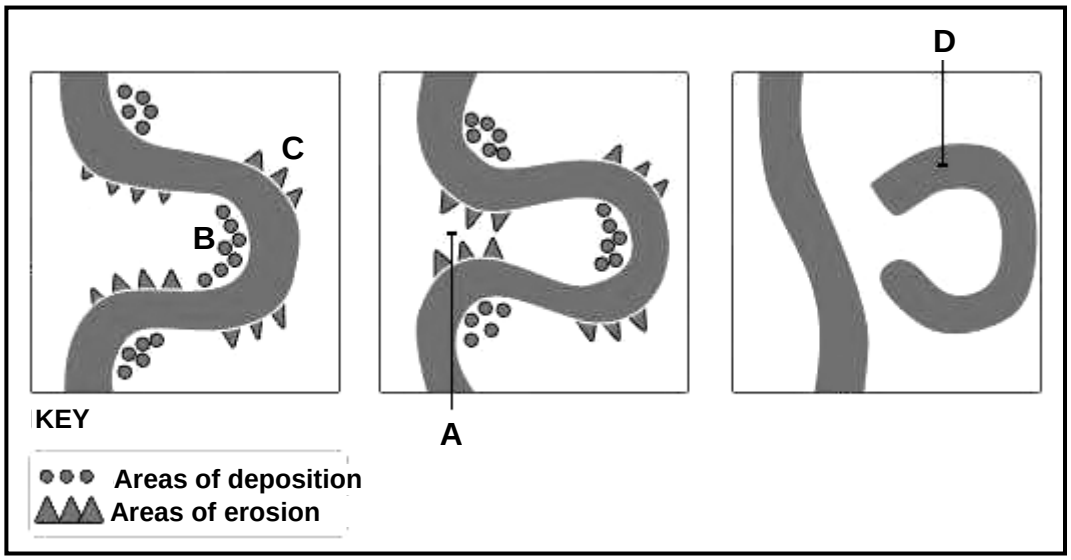
[Source: BBC Weather Centre]

FIGURE 2.4: DESTRUCTIVE WEATHER FEATURES



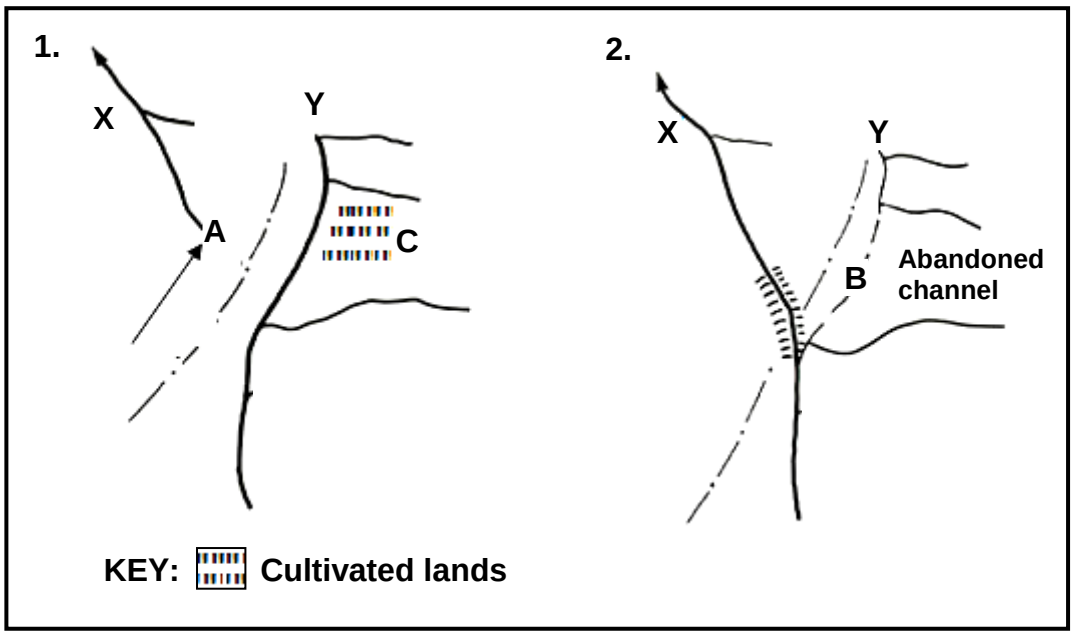
[Source: Google Image]

FIGURE 2.5: DEVELOPMENT OF A FLUVIAL FEATURE



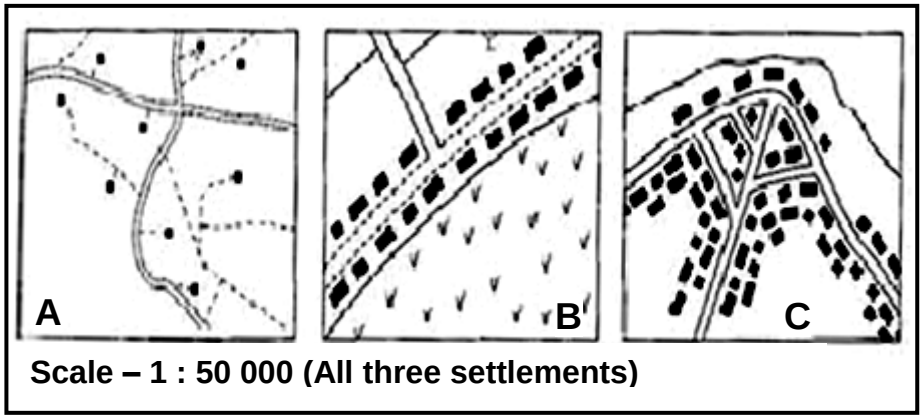
[Source: Earthworks]

FIGURE 2.6: RIVER CAPTURE



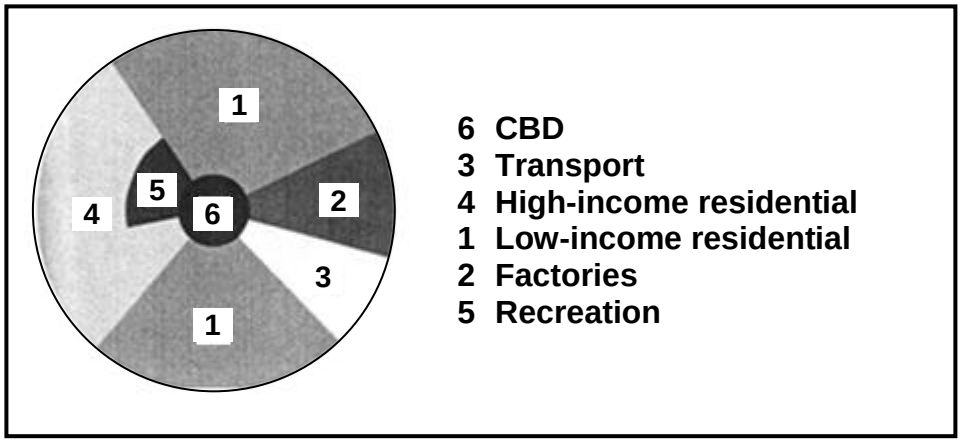
[Source: Unknown]

FIGURE 3.1: RURAL SETTLEMENT PATTERNS



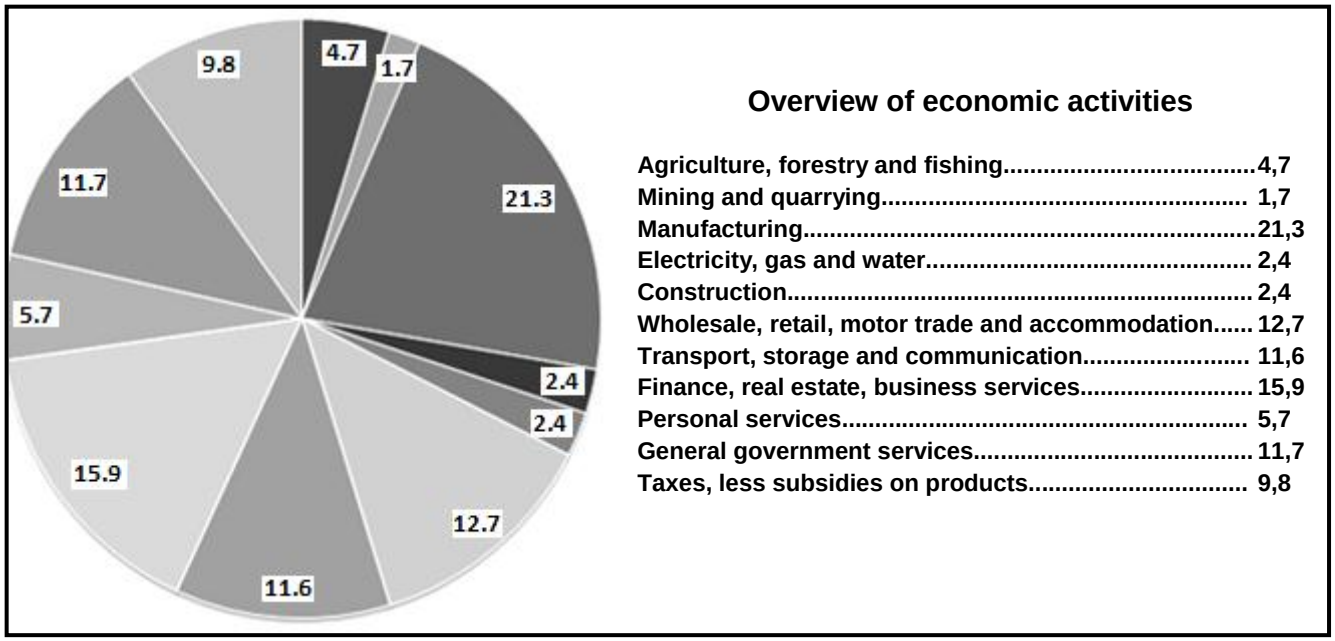
[Source: sites.google.com]

FIGURE 3.4: LAND-USE ZONES



[Source: Adapted from *Living Geography*]

FIGURE 3.5: CONTRIBUTION OF ECONOMIC SECTORS TO THE GDP OF SA



[Source: http:/www.tikzn.co.za/Key sectors/Overview of Key Sectors aspk]

FIGURE 3.6: FOOD SECURITY

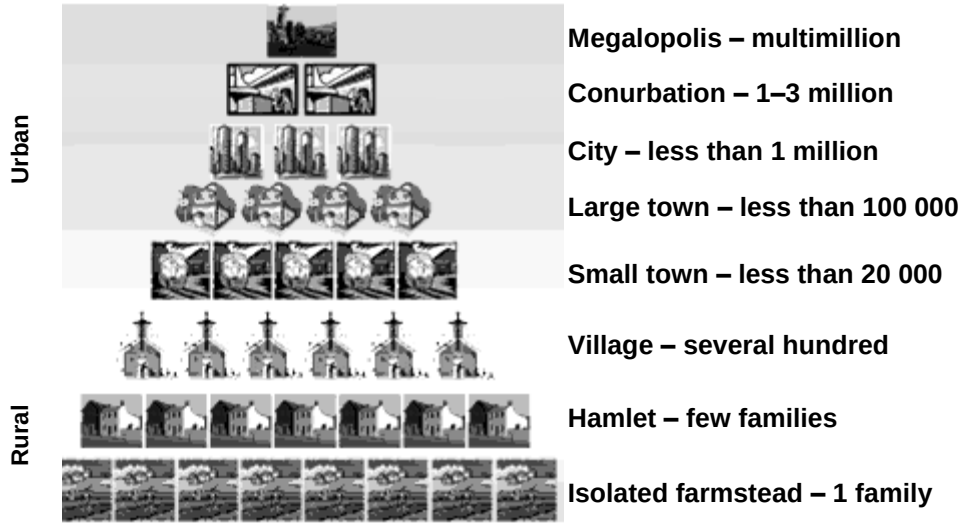
FOOD SECURITY

Research by the United Nations shows that there are about 7 billion people in the world today; a billion of them hungry. Forty years from now there will be 9,2 billion people. To meet this demand, 70% more food will have to be produced than in 2000.

International policy, such as the use of agricultural subsidies, has caused the cost of production in the USA and UK to drop. Thus farming of certain products in poor nations, such as in Africa, is not viable. US poultry can be landed in Africa cheaper than the cost of production in Africa.

[Source: Adapted from an interview with Professor Mark Laing, UKZN]

FIGURE 4.1: CLASSIFICATION OF SETTLEMENTS



[Source: teachers.guardian.co.uk]

FIGURE 4.3: EXPANDING URBAN SETTLEMENTS

SPECIAL REPORT: CITIES IN AFRICA

CITY	2007: Population in millions	2025: Population in millions
Johannesburg	7,02	9,08
Nairobi	3,01	5,87
Cairo	11,89	15,56
Lagos	9,46	15,80
Kinshasa	7,84	16,76
Luanda	4	8,24

Just short of 40% of Africa's population lived in cities at the end of 2010, making it the world's least urbanised region. This figure will increase dramatically in the coming decades, a trend that will likely result in rapid urbanisation due to economic and social change on the continent. At present, sub-Saharan Africa is second only to Eastern Asia in terms of the pace of urbanisation, with an estimated annual growth of 1,26% from 2010 to 2015. By 2035, the continent will reach a tipping point, when more than 50% of Africans will live in urban centres. By 2050, more than 1 billion – the equivalent of the continent's total population in 2010 – will live in cities.

[Source: http://www.siemens.co.za/sustainable-development/pdf/cities-in-africa-report-1.pdf]

FIGURE 4.5: PREDICTED WATER AVAILABILITY FOR 2025 (MILLION m^3)

RIVERS	LOCAL AVAILABILITY	TRANSFER INTO	LOCAL REQUIREMENTS
Limpopo	295	23	379
Tugela/Thukela	776	0	420
Upper Vaal	1 486	1 630	**?**
Orange	4 755	2	1 122
Fish	452	653	1 053

[Source: Department of Water Affairs and Forestry]

FIGURE 4.6: AGRICULTURE IN SOUTH AFRICA

Surface area farmed in South Africa	12%
Arable land	22%
Irrigated land	1,3 million hectares
Contribution to GDP	3%
Employment	7%
Agricultural exports	6,5%

[Source: *Pocket Guide to South Africa 2011/12*]

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