

The full name of your school *

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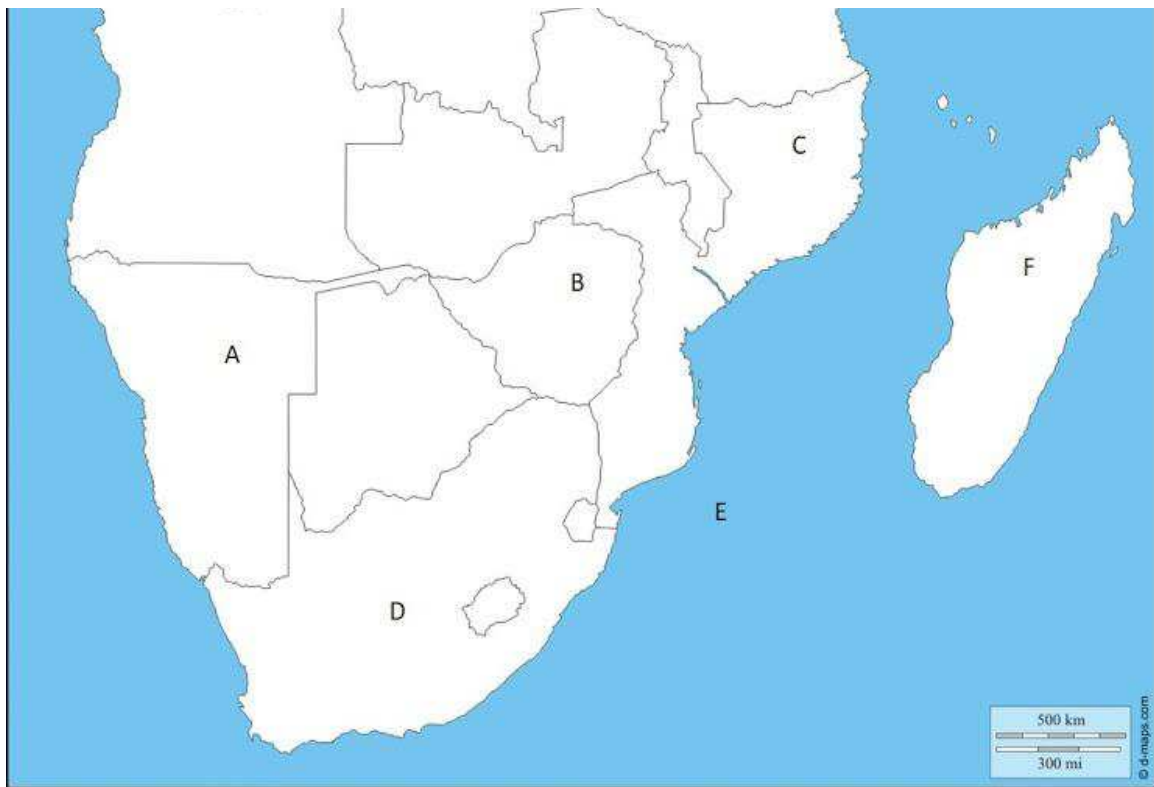
09 / 24 / 2017

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If you did not enter your email address correctly, you will not receive your 2017 SANGO participation certificate.
(You can click the back button below this text, to check your email address on page 1)

✓ What are the capitals of the countries labelled in the order A, B, C and D? *



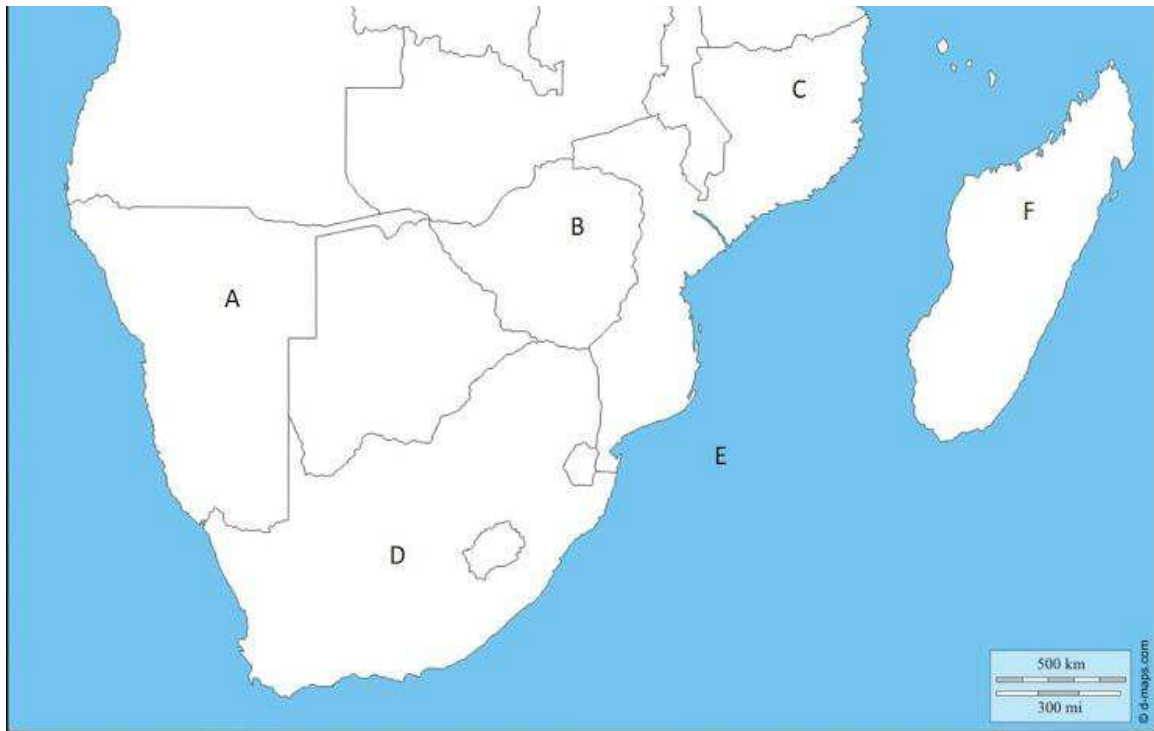


- ☐ Pretoria, Harare, Maputo, Windhoek
- ☐ Harare, Windhoek, Pretoria, Maputo
- ☐ Maputo, Pretoria, Windhoek, Harare
- ☒ Windhoek, Harare, Maputo, Pretoria



✓ The name of the ocean current labelled E is ... *



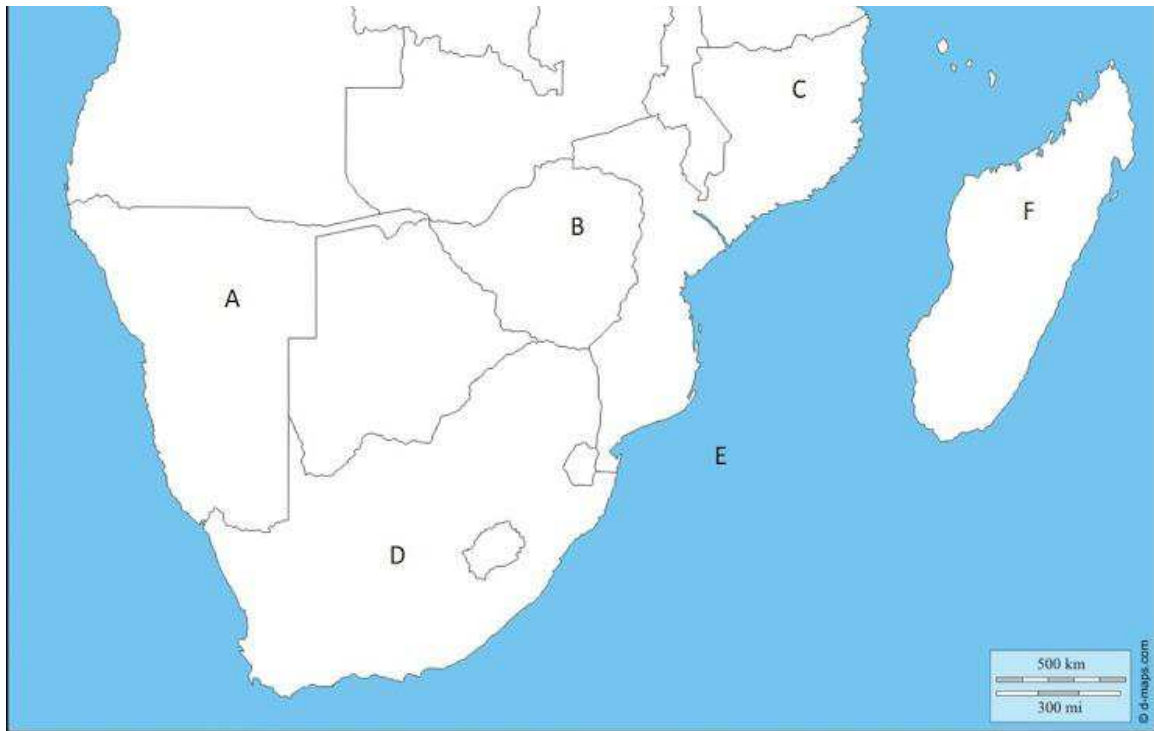


- ☐ Humboldt current
- ☐ Benguela current
- ☐ Peruvian current
- ☒ Mozambique current



✓ Identify the desert in Country A: *





☐ Kgalagadi

☐ Kalahari

☒ Namib



☐ Sahara

✓ The image below is of the Namib Desert. Imagine you are the photographer, from which direction was the photograph taken? *





- ☐ East
- ☐ West
- ☐ South
- ☒ North



✓ The names of the provinces labelled in the order A, B, C and D are ... *





☒ Western Cape, Gauteng, Limpopo, KwaZulu-Natal



☐ Gauteng, Limpopo, Western Cape, KwaZulu-Natal

☐ Western Cape, Limpopo, KwaZulu-Natal, Gauteng

☐ KwaZulu-Natal, Limpopo, Gauteng, Western Cape

✓ The two richest provinces in South Africa are: *



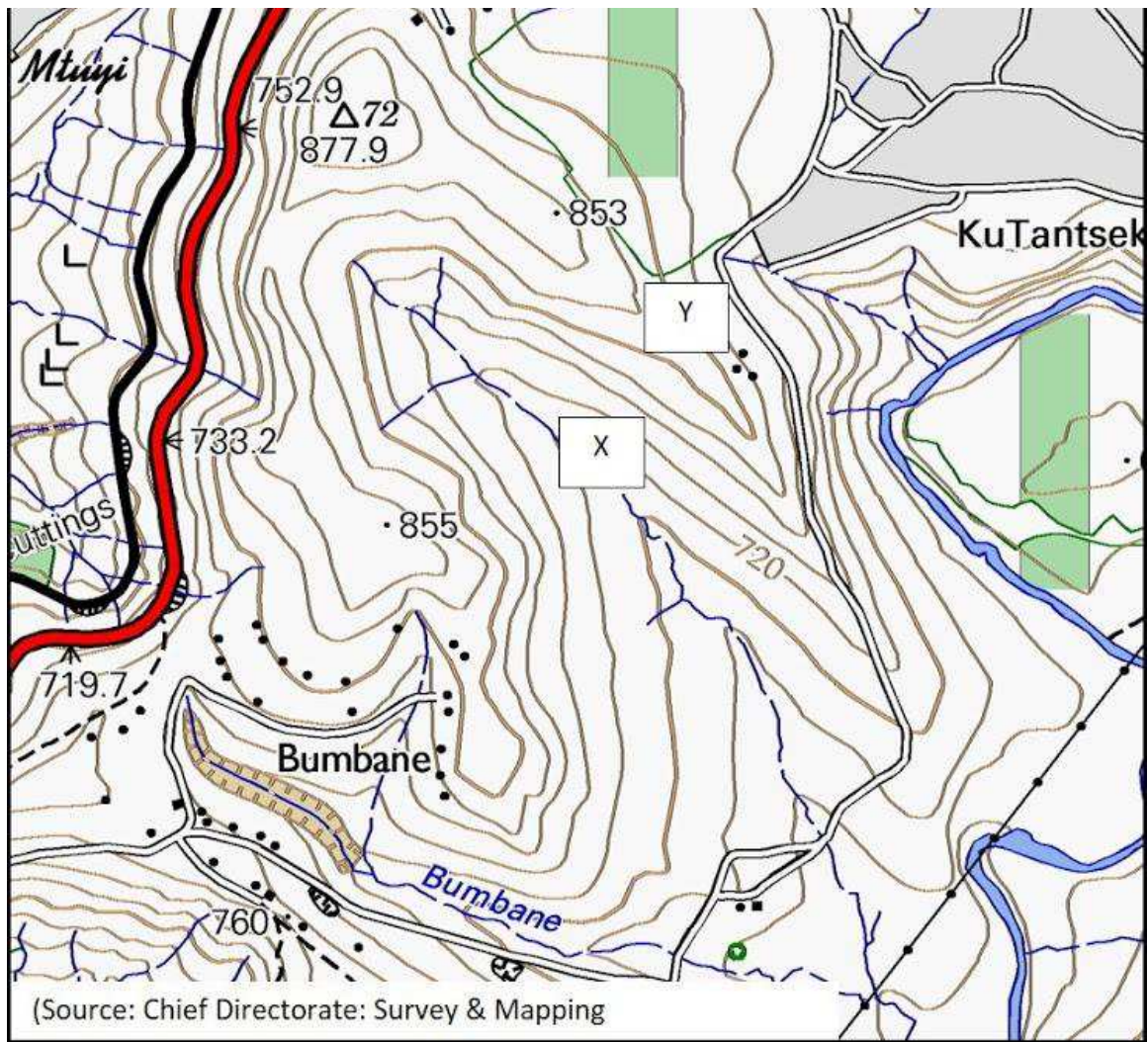


- ☐ Free State, Limpopo
- ☒ Gauteng, Western Cape
- ☐ Eastern Cape, Gauteng
- ☐ Limpopo, KwaZulu Natal



✓ Study the topographic map extract. River X is flowing towards the... *



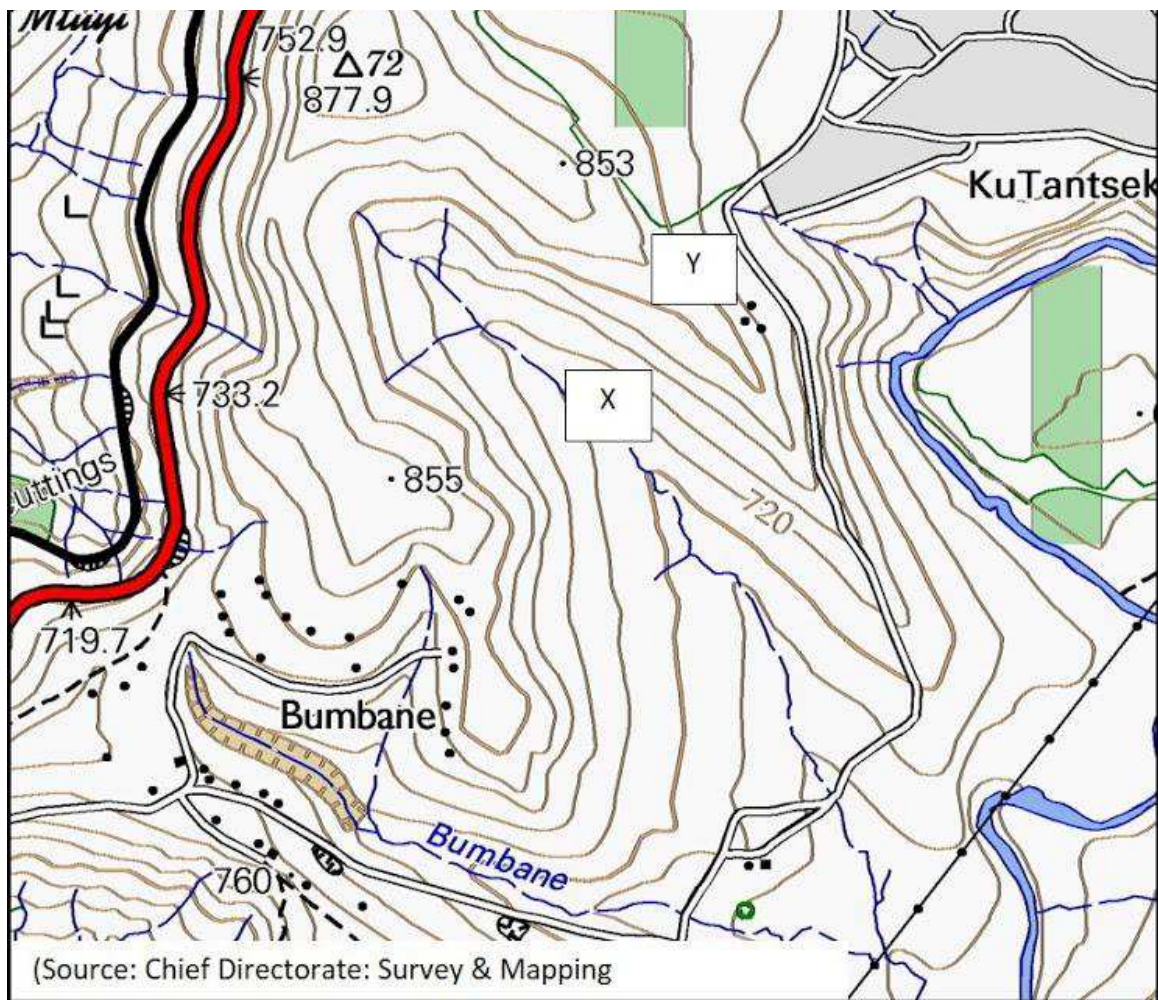


- ☐ NW
- ☐ NE
- ☒ SE
- ☐ SW



✓ Feature Y on the map extract is a... *

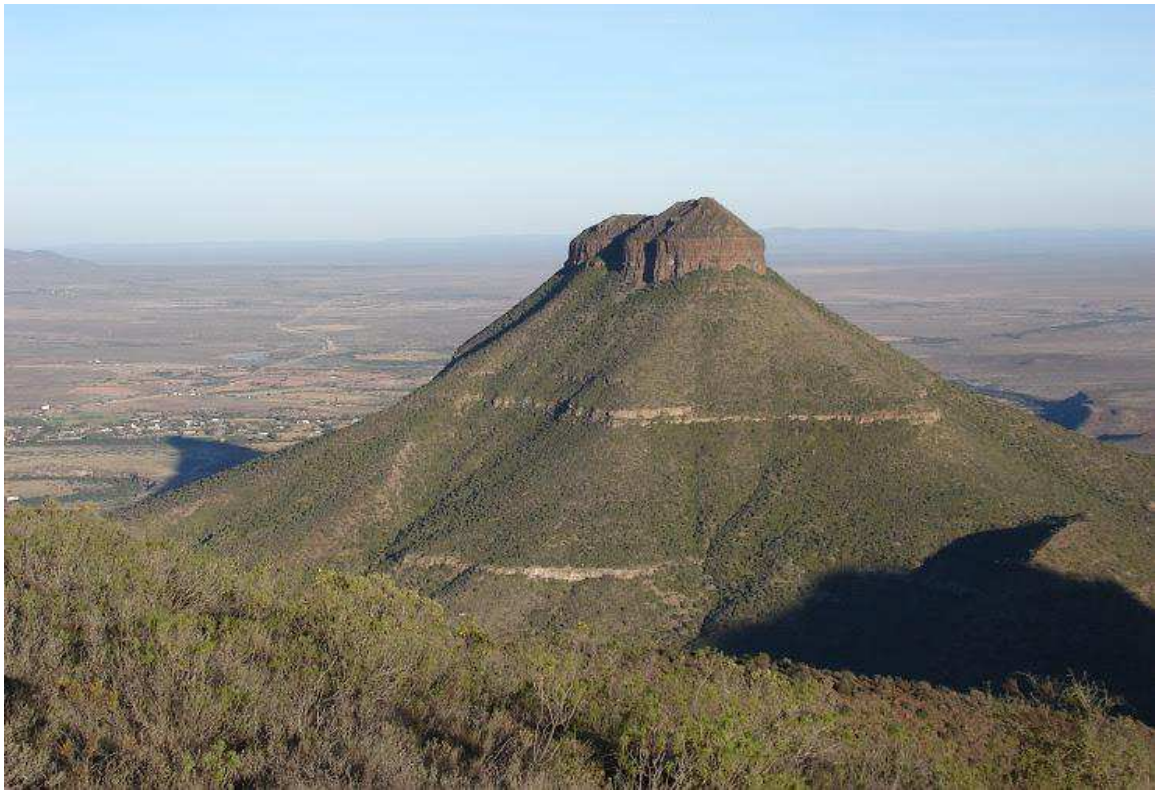




- ☐ Butte
- ☒ Spur
- ☐ Mesa
- ☐ Valley



✓ Where are you mostly likely to find this type of landform in South Africa? *



☐ North West Province

☐ Drakensberg

☒ Karoo



☐ Blyde River Canyon

✓ What main type of weathering has formed this landform? *





☐ Human

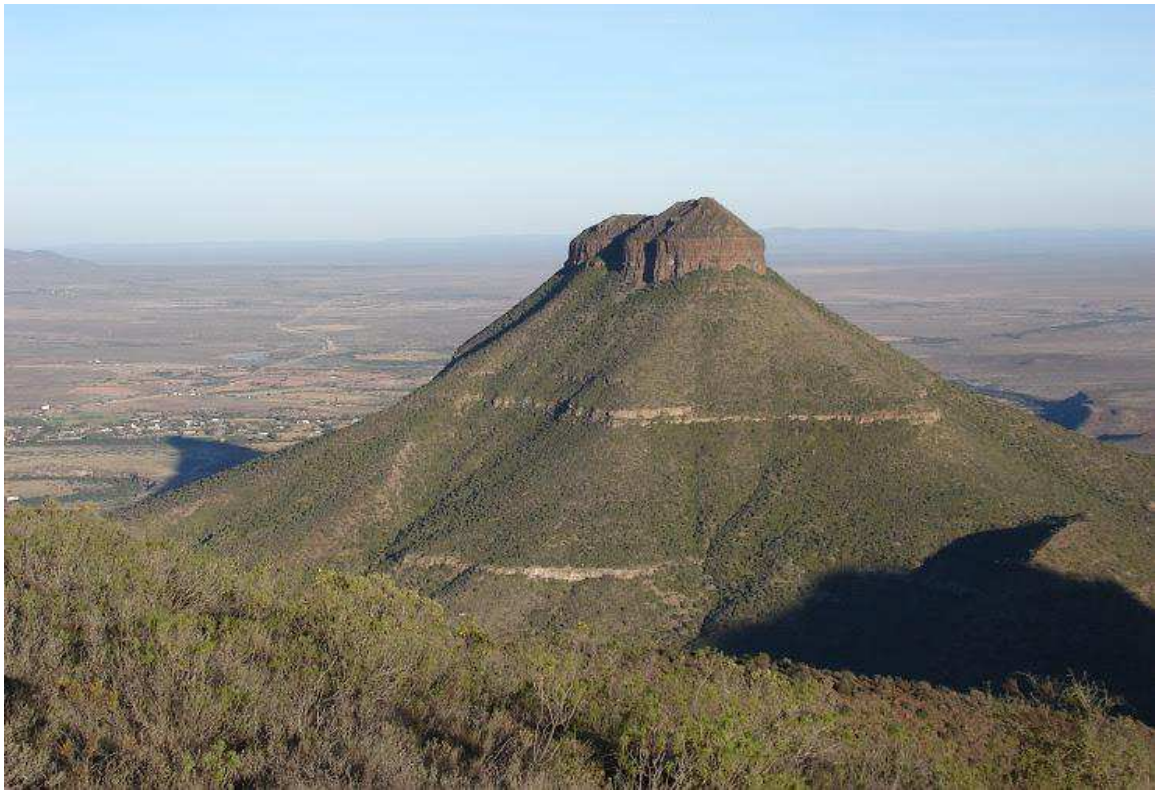
☒ Physical



☐ Chemical

☐ Biological

✓ The type of rock most commonly associated with this landform is... *



☒ Sedimentary



☐ Marble

☐ Igneous

☐ Metamorphic

✓ The Western Cape often suffers from devastating veld fires. These fires are often difficult to control, because of... *





☐ Valley Winds

☐ Fohn Winds

☐ Sea Breezes

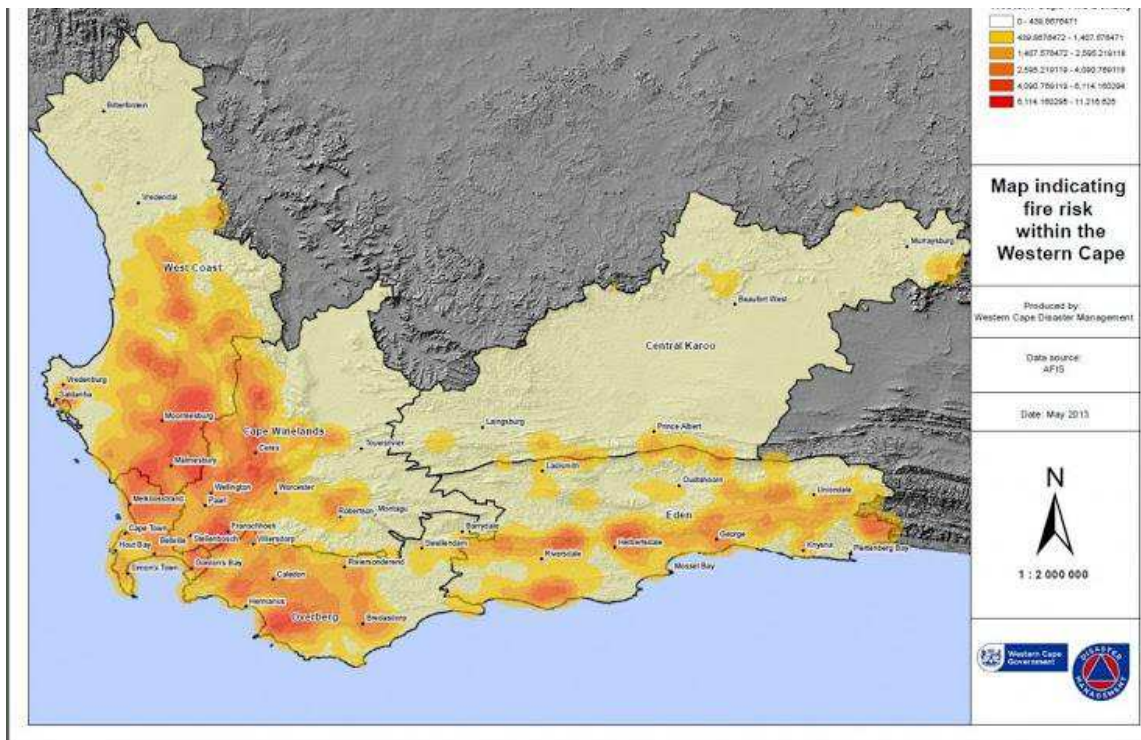
☒ Berg Winds



✓ From the list of veldfire prevention tips below, select one which is not a realistic option? *



Legend
Western Cape Fire Density



- ☐ Always have emergency numbers close at hand to call in case of fire outbreaks
- ☐ Prepare fire breaks by controlled burning on boundaries
- ☐ Avoid throwing cigarette butts on the ground
- ☒ Irrigate the veld ✓

✓ The name of the street pattern in the Cape Town CBD is... *





- ☒ Grid iron ✓
- ☐ Planned irregular
- ☐ Radial
- ☐ Unplanned irregular

✓ The Nilotic ethnic group called the Masai is indigenous to which region? *





- ☐ North Africa
- ☐ Southern Africa
- ☐ West Africa
- ☒ East Africa



✓ The red-brown colouring on the iron-rich rock is caused by... *





☐ Salt-crystal growth

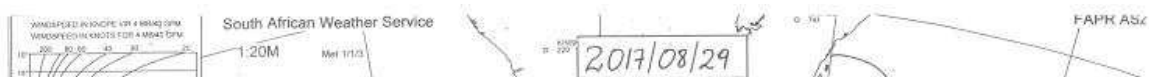
☒ Oxidation

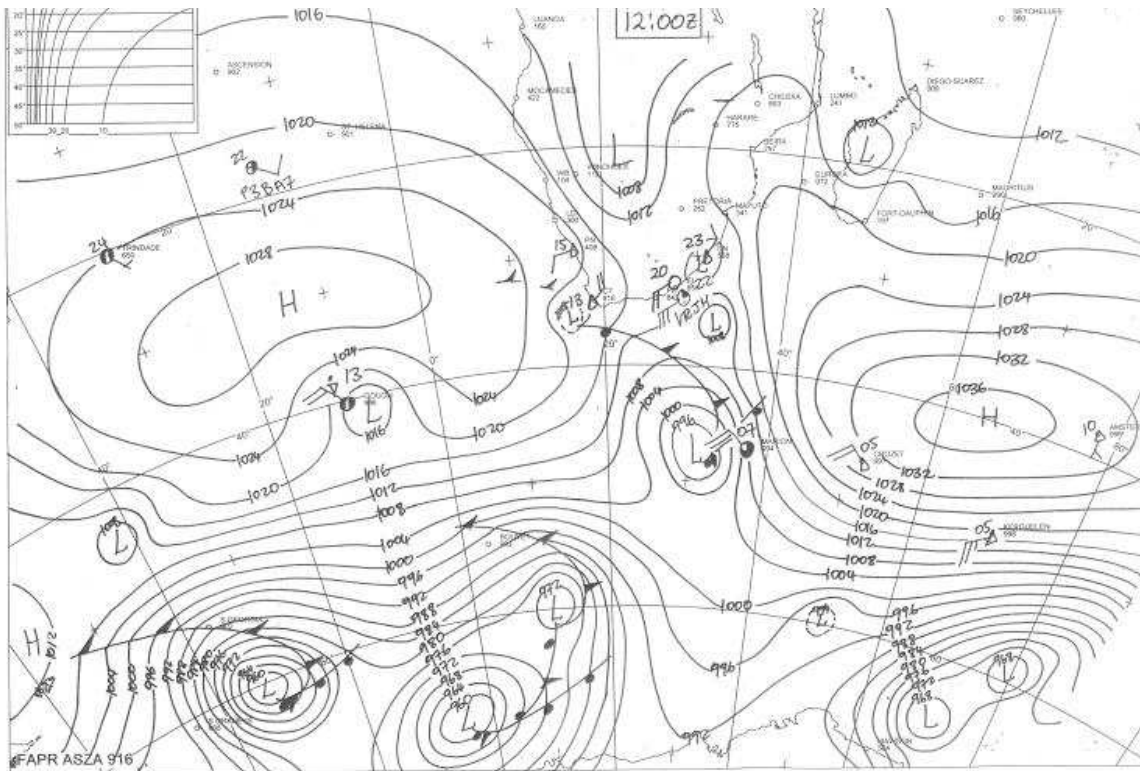


☐ Carbonation

☐ Frost action

✓ Study the synoptic weather map and name the weather systems South of 40 degrees latitude? *





- ☐ Coastal low pressure
- ☒ Mid-latitude cyclones
- ☐ Subtropical high pressures
- ☐ Tropical cyclones



✓ On a clear day, an island that was declared an UNESCO world heritage site in 1999, can be seen from the top of Table Mountain. What is the name of the island? *



- ☐ Mauritius
- ☐ Marion Island
- ☒ Robben Island
- ☐ Seal Island



✓ During a thunderstorm the cloud cover predominantly consist of which cloud type? *





- ☐ Altocumulus
- ☐ Cirrostratus
- ☐ Nimbostratus
- ☒ Cumulonimbus



✓ South Africa has 9 World Heritage Sites. Identify the following cultural heritage site: *





- ☐ iSimangaliso Wetland Park
- ☐ Maloti-Drakensberg Park
- ☐ Vredefort Dome
- ☒ Fossil Hominid Sites of South Africa



✓ What type of tourism is demonstrated in the image? *





- ☒ Battlefields Tourism ✓
- ☐ Adventure Tourism
- ☐ Eco-tourism
- ☐ Industrial Heritage Tourism

✓ What kind of geological feature is the Big Hole in Kimberley? *





☒ Volcanic pipe



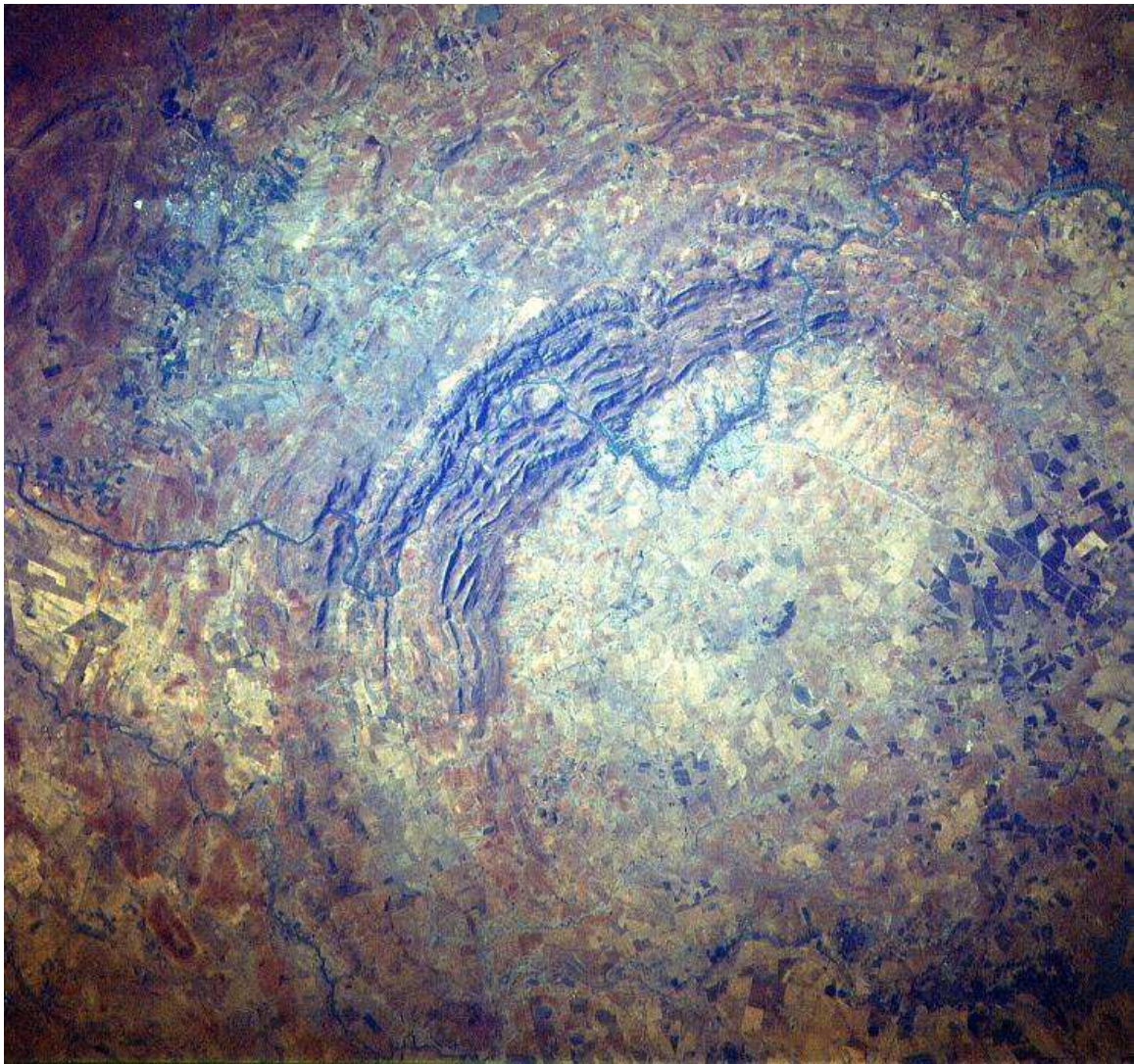
☐ Lopolith

☐ Batholith

☐ Depression

✓ What caused the formation of the Vredefort Dome (a South African World Heritage Site in the Free State)? *





- ☐ A volcanic eruption
- ☐ A collapsed caldera
- ☒ A meteorite impact
- ☐ Plate tectonics



✓ If you were to visit Liliesleaf Farm (a national heritage site) in South Africa, what kind of a tourist would you be? *





☒ Cultural tourist



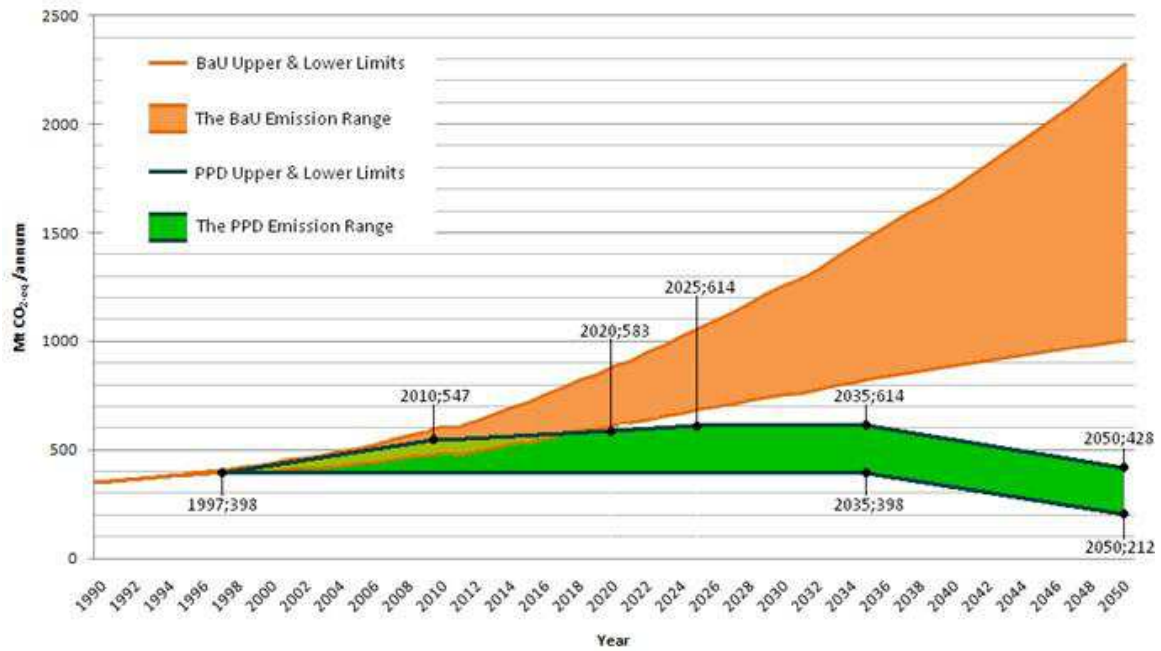
☐ Urban tourist

☐ Rural tourist

☐ Eco-tourist

✓ In 2017 South Africa can make certain energy decisions that will result in the country either following the orange or the green pathway. What decision would most likely lead to South Africa following the green path? *

The desired South African climate change mitigation outcome - the "Peak, Plateau and Decline" (PPD) greenhouse gas emission trajectory



- ☐ Adopt nuclear power
- ☐ Build hydropower plants
- ☐ Adopt shale gas fracking
- ☒ Shut down coal-fired power stations ✓

✓ This image is of the largest inland delta system in Southern Africa. Through which three countries does the river which enters the delta flow? *



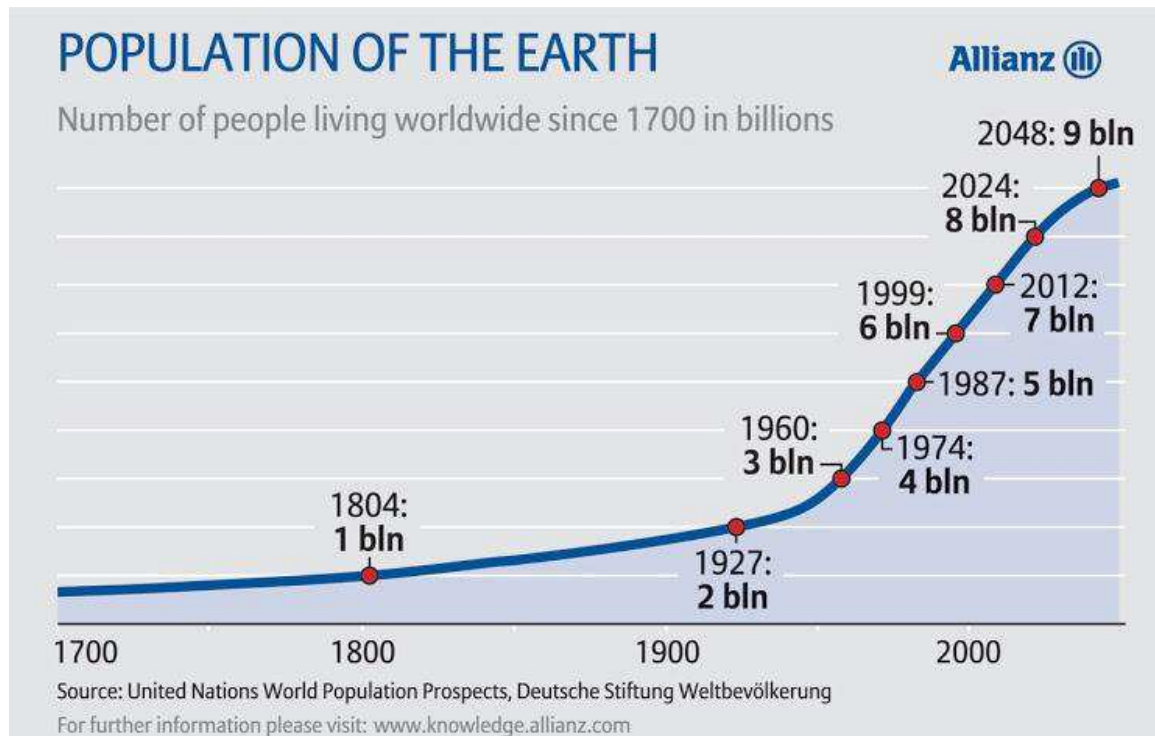


- ☐ Botswana, Angola, Zimbabwe
- ☐ Botswana, Namibia, Zambia
- ☐ Botswana, Zimbabwe, Namibia
- ☒ Botswana, Namibia, Angola



✓ "People have every right to development, which can be understood as the fulfillment of their basic needs as well as their desires for a decent life. But the existing world economy is already on an ecologically unsustainable path. So, any attempt to

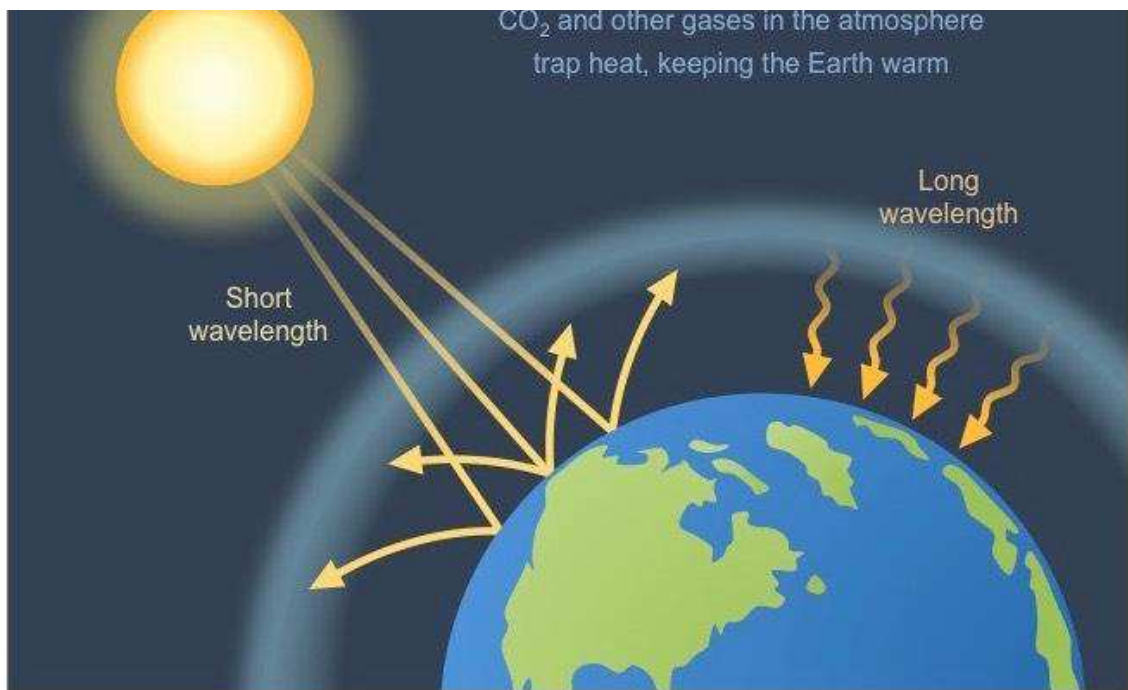
replicate the existing pattern of consumption of high-income countries would make it even less sustainable". Choose which of the statements below is the most likely to help achieve a more sustainable future: *



- ☐ Encouraging people to migrate out of populated areas
- ☒ Adopt sustainable manufacturing techniques ✓
- ☐ Strictly managing population size by using a one child policy
- ☐ Passing laws to limit how many people can own cars and other consumable products such as iPhones

✓ The greenhouse effect is... *





- ☐ Caused by industrial air pollution
- ☐ Not a natural phenomenon
- ☒ Necessary to support life on earth ✓
- ☐ Harmful to biodiversity

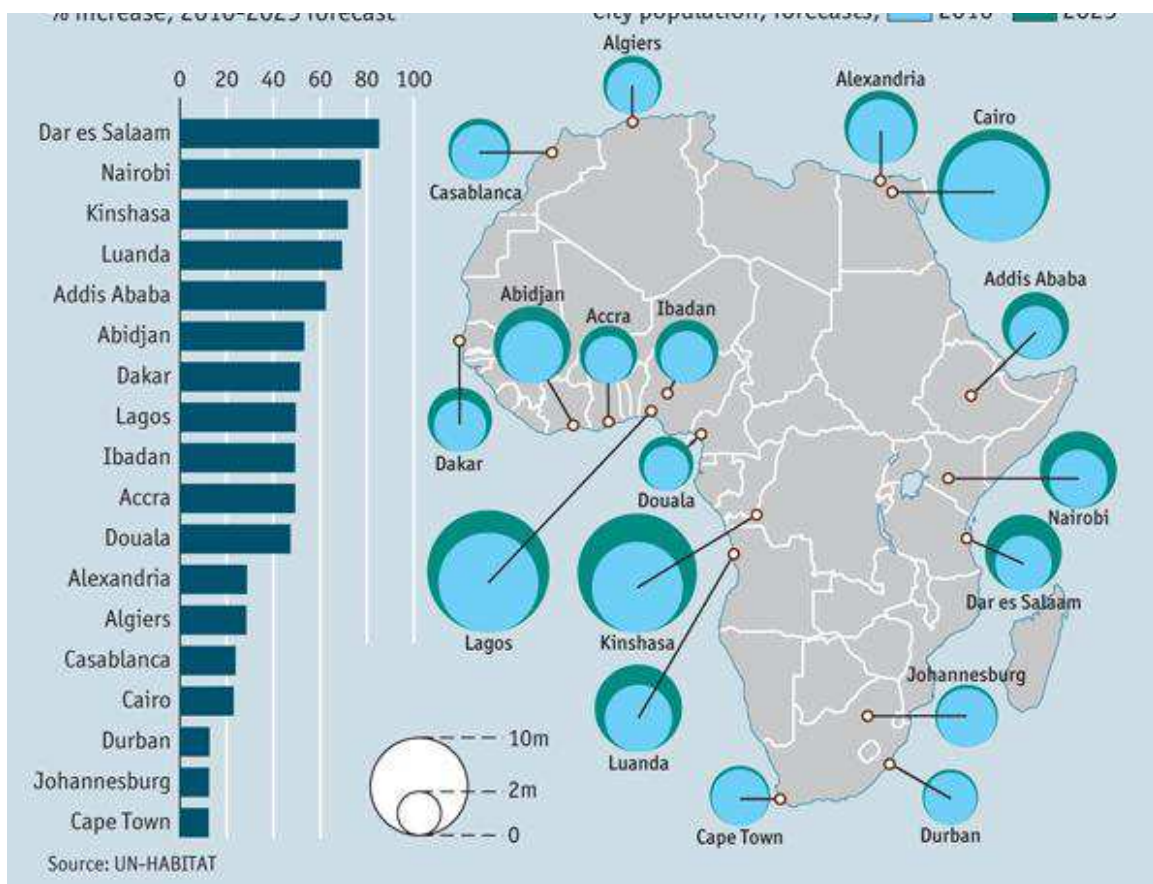
✓ “The economic benefits of the fishing industry outweigh the environmental costs” *





- ☐ True, because there are no social impacts associated with fishing
- ☐ True, because fish are a renewable resource
- ☐ False, because subsistence fishing is unprofitable
- ☒ False, because there have been instances of 'fish population collapse' ✓

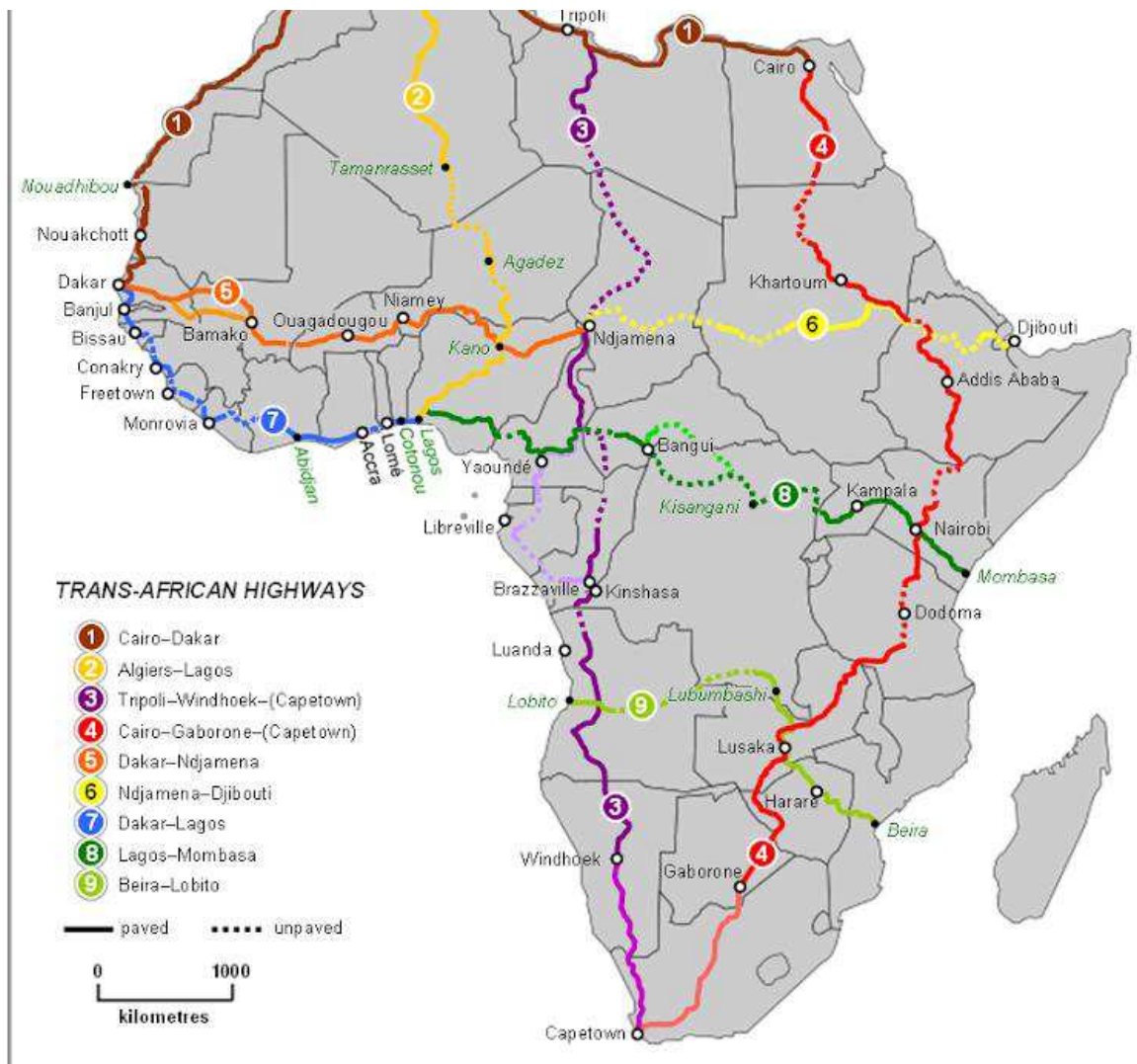
✓ The map indicates 18 rapidly growing cities in Africa. What geographical feature is common to most of these cities? *



- ☐ They are predominantly found in Francophone Africa
- ☐ They are predominantly found in West Africa
- ☒ They are predominantly coastal cities ✓
- ☐ They are predominantly SADC countries

✓ Which of the following two countries are least connected by Trans-African highways? *





- ☐ Nigeria, Zimbabwe
- ☐ Equatorial Guinea, Mozambique
- ☐ Malawi, Botswana
- ☒ Eritrea, Somalia ✓

✓ Subsistence agriculture employs approximately 70% of Swaziland's population. Sugar and wood pulp were major foreign exchange earners until the wood pulp producer closed in January 2010. Sugar is now the main export earner. Overgrazing, soil

erosion, drought, and floods are persistent problems. On 1 January 2015, Swaziland lost its eligibility for benefits under the US African Growth and Opportunity Act (AGOA), resulting in the loss of thousands of jobs. Region-wide drought is likely to slow Swaziland's economic growth. What could Swaziland do to increase sales of its agricultural products? *

Swaziland - Agriculture, value added (% of GDP)



Source : The World Bank
Date : 2015
Creation: Actualitix.com - All rights reserved



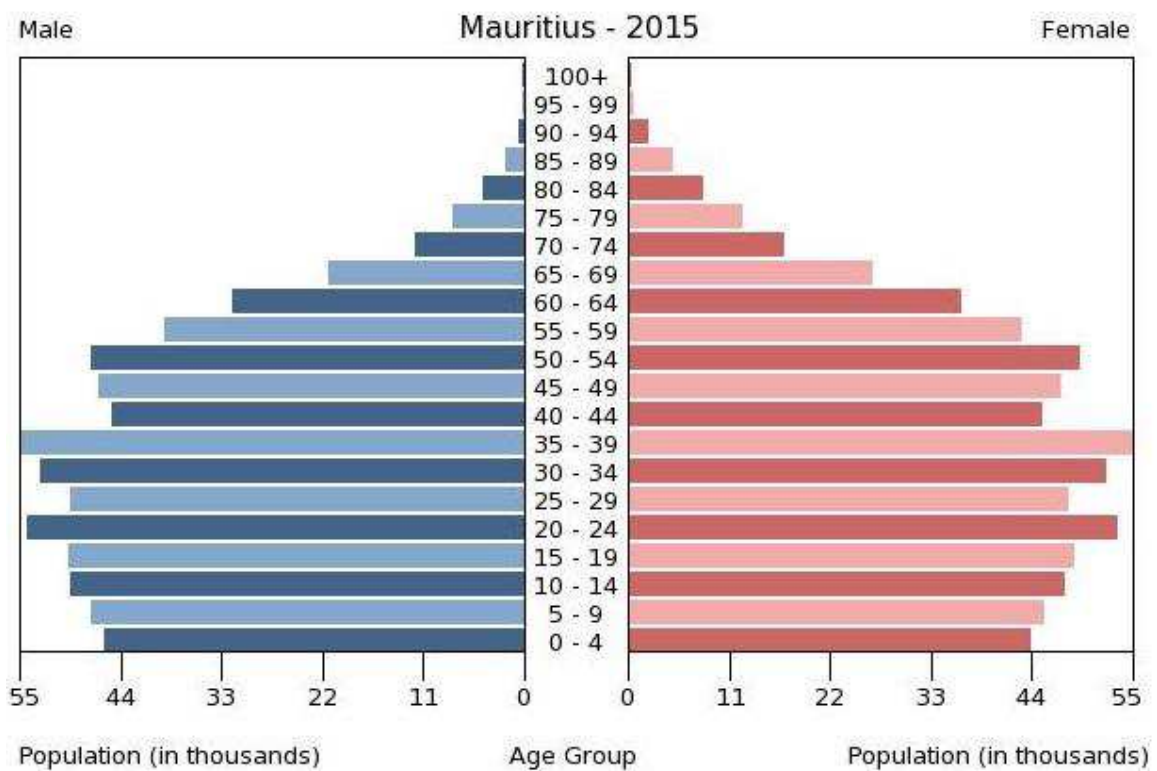
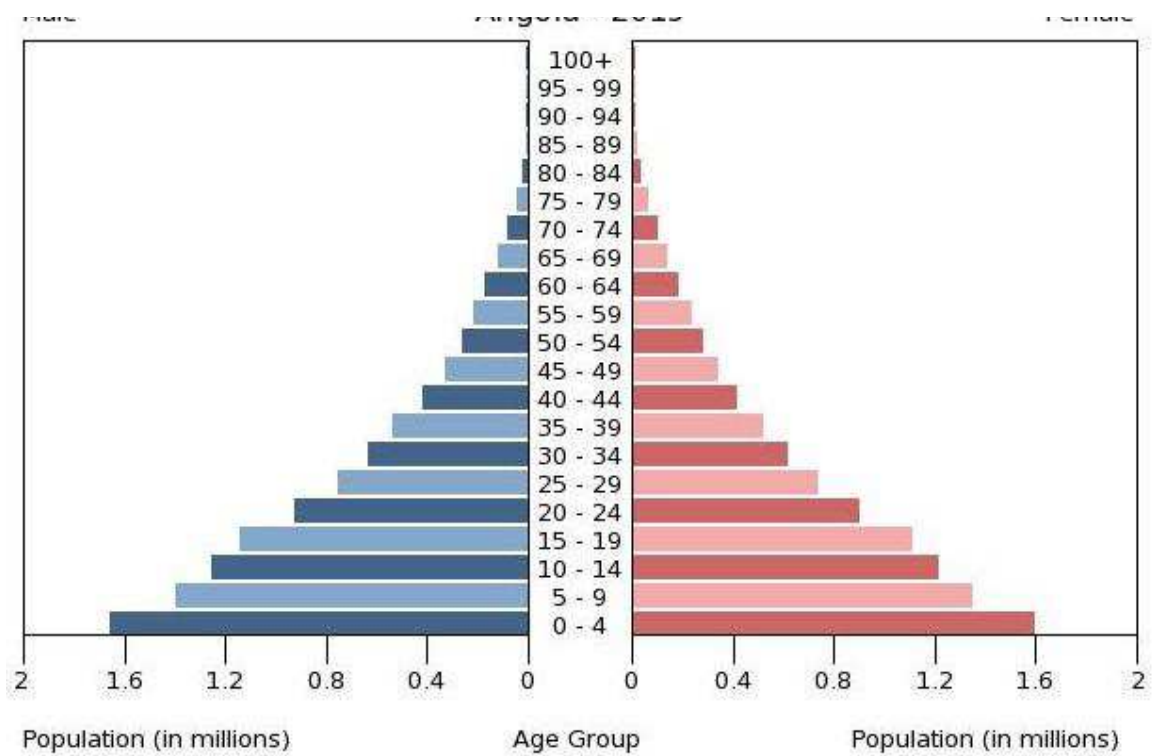
- ☐ Encourage subsistence farmers to turn to commercial farming.
- ☒ Negotiate with major trade partners like South Africa and the United States to increase agricultural exports. ✓
- ☐ Increase afforestation.
- ☐ Adapt to extensive dryland farming.

✓ Compare the 2015 population pyramids of Angola and Mauritius. What is the main reason which accounts for the different shapes of these two pyramids? *

Male

Angola - 2015

Female



- ☐ Women in Mauritius find jobs outside of the home in the manufacturing sector.
- ☐ Mauritius is a small island, while Angola is a large Central African country.
- ☐ The low birth rate in Mauritius is due to the AIDS epidemic.
- ☒ Women in Mauritius are better educated than women in Angola. ✓

- ✓ This lake is said to be defended by a Venda python god who lives in the mountain on a rock. The ancestral spirits who inhabit the lake are said to be guarded by a white crocodile. Name the lake. *



☐ Lake Chrissie

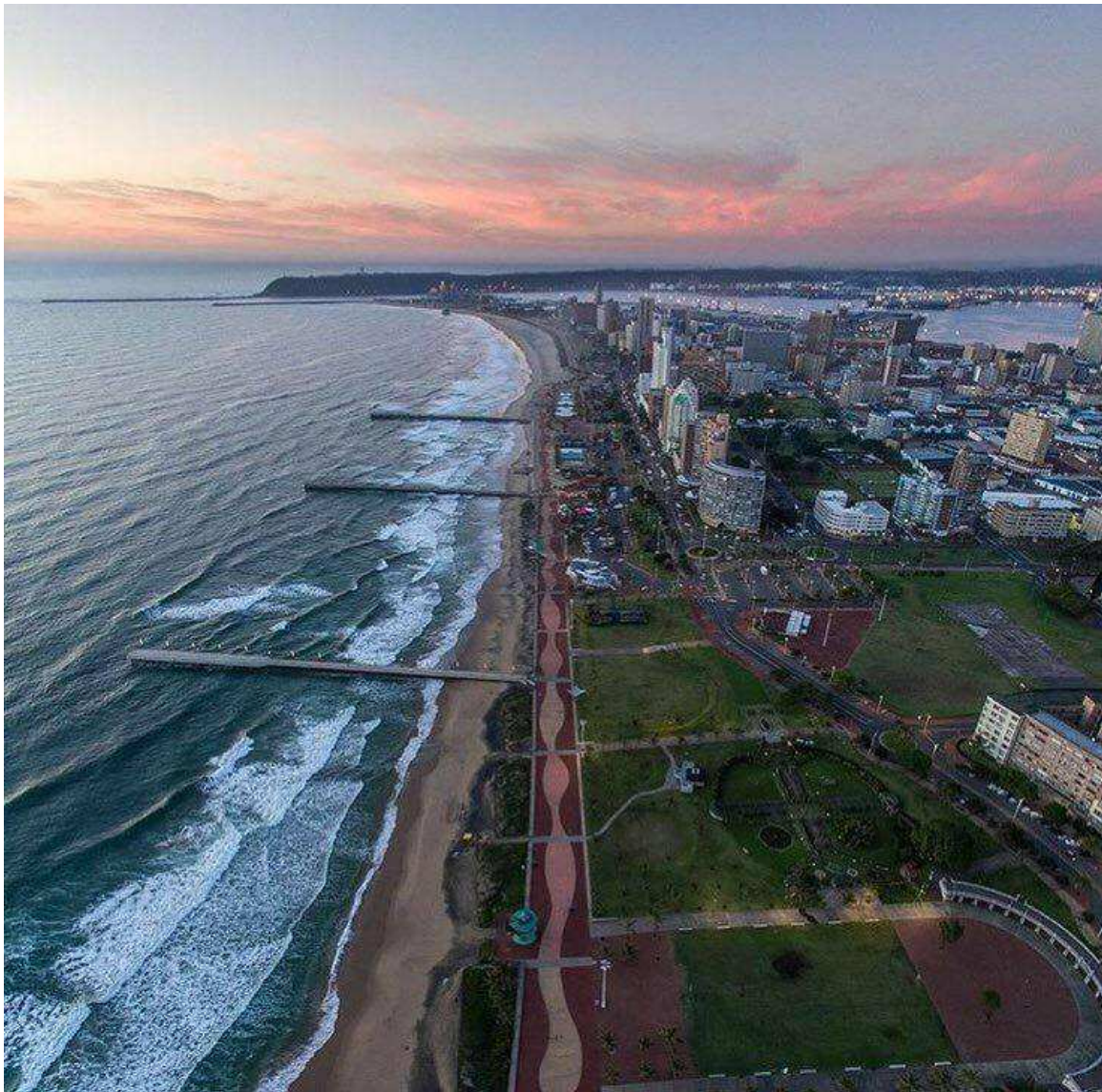
☒ Lake Fundudzi



☐ Lake Kariba

☐ Lake St Lucia

- ✓ Artificially enlarged groynes (piers) have been built along the Durban beachfront to prevent the shift of sand up the coastline, causing the beaches to be eroded. Identify the process which is responsible for this erosion of the beaches. *



- ☐ Beach drift
- ☐ Swash
- ☐ Backwash
- ☒ Longshore drift



✓ Informal traders sell mpepho which is a traditional incense used to facilitate communication with the ancestors. The impepho comes from either KwaZulu Natal or the Eastern Cape. The groups of people who use this traditional incense are: *



- ☒ Zulu and Xhosa
- ☐ Shangaan and Xhosa
- ☐ Xhosa and Tswana
- ☐ Tswana and Zulu



✓ What best describes the energy source of tropical cyclones? *



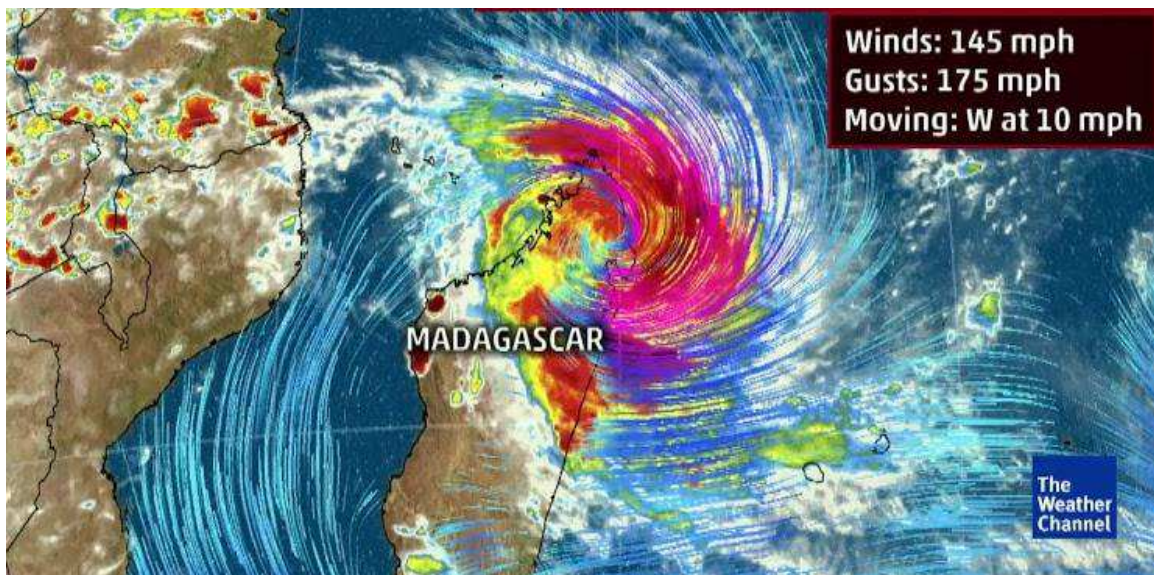


- ☐ Movement of air pressures due to a disturbance in the general atmospheric circulation
- ☐ A decline in pressure over the land where there is a large amount of energy
- ☐ A decline in pressure due to an easterly wave disturbance
- ☒ Massive uplift of warm moist air over tropical oceans ✓

✓ In which direction does air in cyclones rotate in the Southern hemisphere? *



TROPICAL CYCLONE ENAWO



- ☒ Clockwise ✓
- ☐ Towards the equator
- ☐ Away from the poles
- ☐ Anticlockwise

✓ Cape Town's water supply is under great threat. The dams currently have very low levels of water. As a large city of 3.7 million, Cape Town needs to reduce its water consumption. The most effective way to do this is: *



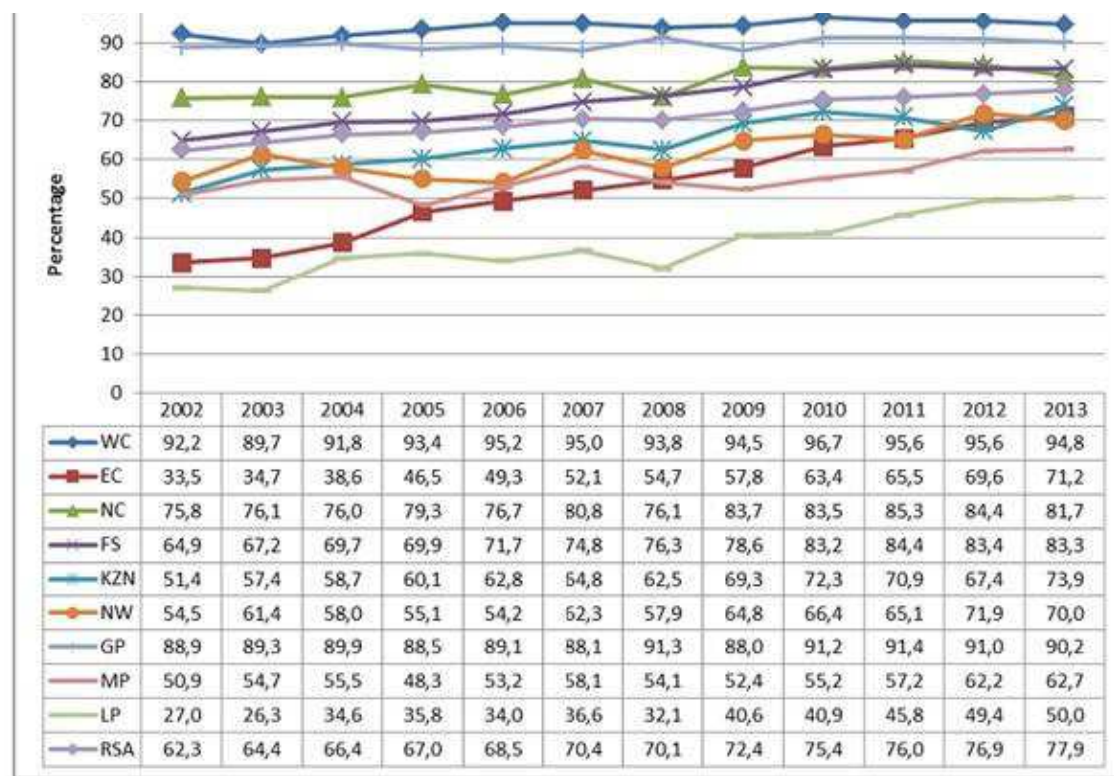
- ☐ Build more dams
- ☐ Build a desalinisation plant
- ☐ Ban car washes
- ☒ Reduce the water pressure in the city's pipes



✓ Which province has seen the greatest improvement in access to improved sanitation services? *

Figure 35: Percentage of households that have access to improved sanitation per province, 2002–2013





- ☐ Free State
- ☐ Mpumalanga
- ☐ Limpopo
- ☒ Eastern Cape ✓

Your opinion of the SANGO

We'd love for you to give us your opinion on the first ever South African Geography Olympiad. Please briefly answer these quesitons below.

How difficult did you find this SANGO quiz? *

- ☒ Very easy
- ☐ Easy
- ☐ Moderate