



TOM NEWBY SCHOOL
TERM 4 FORMAL ASSESSMENT



Subject	Geography	Examiner	Miss. v Copenhagen
Date	November 2022	Total marks	30 marks
Grade	5	Duration	1 hour
		Moderator	Mrs. Steyn
Special instructions/ Equipment	1. Write as many details as possible. 2. Read and answer ALL questions thoroughly. 3. Write neatly and legibly in blue pen. 4. Good luck! Think before you INK!		
This assessment has been compiled using notes and information contained in the Tom Newby School resource material. The marking memorandum has been compiled accordingly. While alternative responses will be given due acknowledgement, the official memorandum will be considered a priority document to ensure uniformity of marking.			
Name:	Surname:	Class:	

SECTION A [10]

QUESTION 1

[4]

Write the correct definition for the following words:

1.1 Climate

(1)

1.2 Humidity

(1)

1.3 Temperature

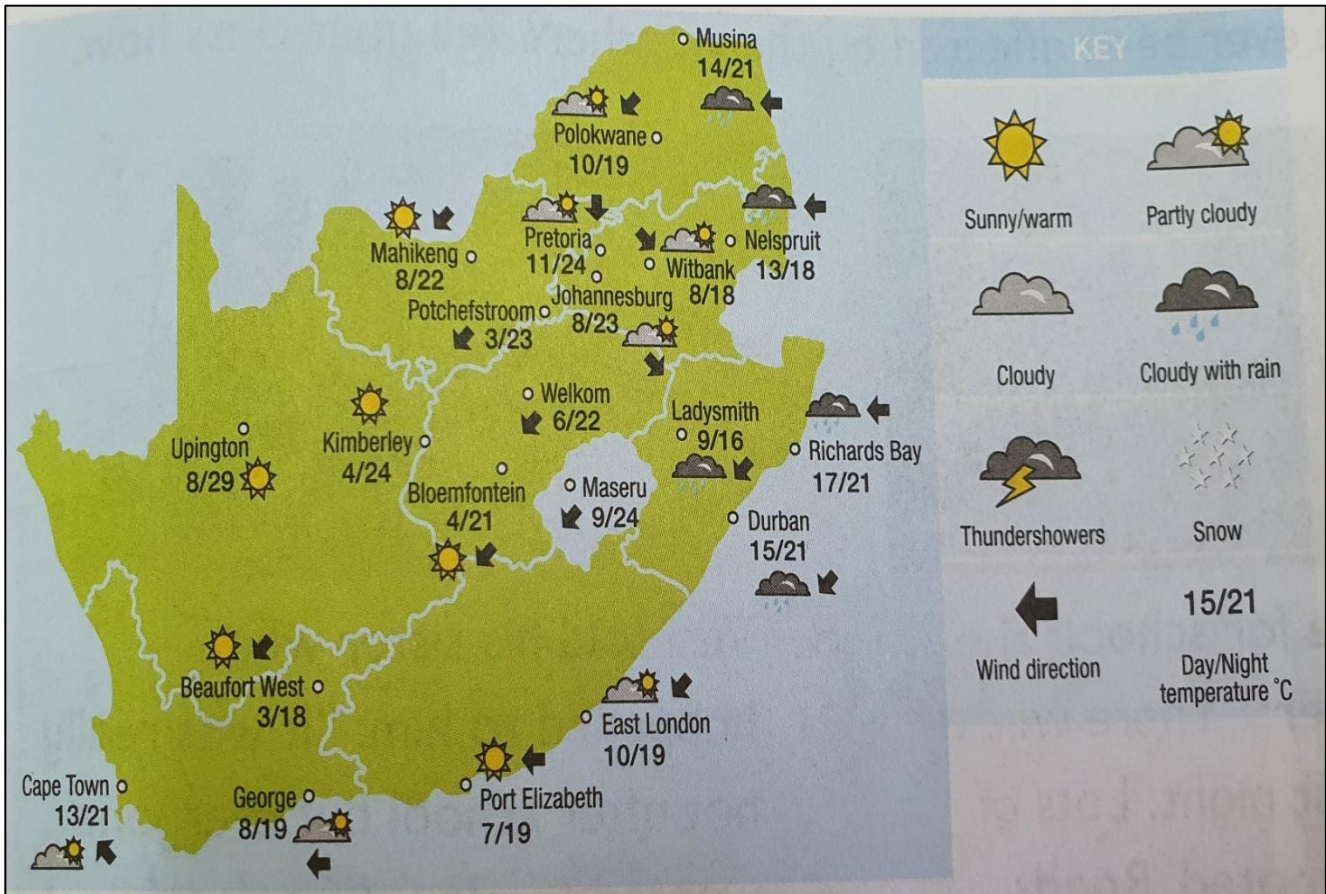
(1)

1.4 Precipitation

(1)

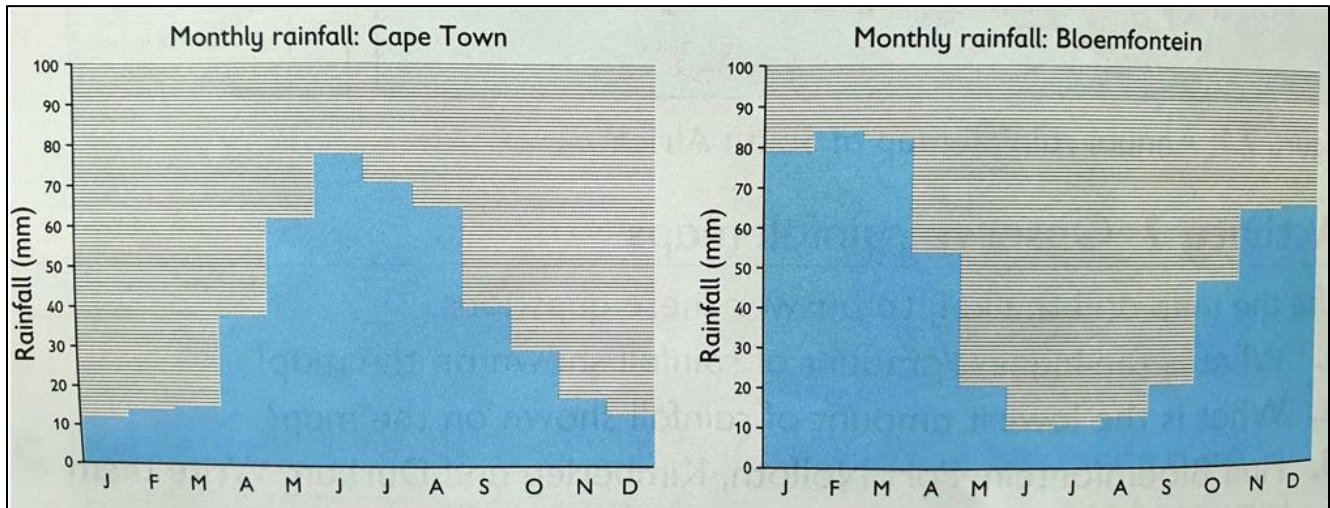
QUESTION 2

Use the map below to answer the questions that follow.



- 2.1 What wind direction is forecast for: (1)
- a) Richards Bay _____
- b) Bloemfontein _____
- 2.2 What cloud cover is forecast for: (1)
- a) Nelspruit _____
- b) Pretoria _____
- 2.3 What kind of precipitation is expected in Durban? (1)
- _____

2.4 Look at the rainfall graphs for Cape Town and Bloemfontein and answer the questions that follow. The graphs show how much rain falls in each city each month.



2.4.1 Which three months in Cape Town have the most rain? (1)

2.4.2 What season (question 2.4.1) are these three months in? (1)

2.4.3 How much rainfall occurred in Bloemfontein in March? (1)

SECTION B – CASE STUDY: MINERALS AND MINING [20]

QUESTION 3 [16]

Read the following case study about minerals and mining. Answer the questions that follow.

Africa's mineral wealth takes many forms thanks to its long history of geology - the activities of mountains, rivers, volcanoes, lakes, and forests. Ancient woodlands have been transformed over millions of years into fossil fuels such as petroleum, natural gas, and coal. The courses of rivers and the upheavals of landforms have produced deposits of metals such as uranium, iron, copper, zinc, and tin, as well as rock minerals such as phosphates. Africa's rocks, soil, and volcanic activity are the source of some of the world's greatest treasures from gold and platinum

to diamonds of all sizes. Unfortunately, mining operations have also damaged the environments that yielded these resources.

Although plentiful, Africa's mineral resources are not evenly distributed. North Africa's reserves of petroleum and iron ore may run out in a few decades. In sub-Saharan Africa (countries below the Sahara Desert), metals and minerals are concentrated in a few major areas, and about half of the region's mineral production comes from two countries: SOUTH AFRICA with its gold and diamonds and NIGERIA with petroleum.

Mining has a long history in Africa. In North Africa, people have mined for iron ores and other metals for more than 2,000 years. Iron mining began in sub-Saharan Africa by around 500 B.C. and had spread through the region by the A.D. 200s. Iron played a crucial role in the improvement of agricultural tools and weapons. During the colonial period, Europeans eager to profit from Africa's mineral wealth made developing mining a priority. Since the 1950s and 1960s, when most African states won their independence from Europe, mining has remained an important but troubled part of the national economies.

<https://geography.name/minerals-and-mining/>

3.1 Why is coal regarded as a non-renewable resource and NOT a mineral? (2)

3.2 In three steps, briefly explain how coal is formed. (3)

3.3 Name three items' gases and other substances that we get from heated coal can be used to make. (3)

- 3.4 Give one use for each of the following minerals: (3)
- a) Chrome: _____
- b) Copper: _____
- c) Silver: _____
- 3.5 Name one way in which mining can cause:
- a) Air pollution (1)
- _____
- _____
- b) Water pollution (1)
- _____
- _____
- 3.6 Name and describe three health and safety risks for miners. (3)
- _____
- _____
- _____
- _____

QUESTION 4

[4]

Using the knowledge, you have gained from class discussions, videos, and your e-notes, write a good, short paragraph **explaining the difference between open-pit surface mining and shaft and deep level mining.**

Remember to start with an introduction, followed by a body and end off with a conclusion.

Use these guidelines to help structure your paragraph:

Introduction: Why different types of mining is used.

Body: Different methods of how it is used.

Conclusion: The result of the mining.

Rubric for question 5:

Level	Criteria	Possible Mark	Learner Mark
1	Elementary use of evidence Little or no understanding of topic shown.	0	
2	Mostly relevant use of evidence. Some to fair understanding of topic shown.	1 or 2	
3	All evidence used is relevant to the topic. Good to great understanding of the content is shown.	3 or 4	

GRAND TOTAL [30]

Grade 5 Geography
TERM 4 FORMAL ASSESSMENT
Performance Analysis
(Teacher use only)

Name of learner: _____ Grade 5: _____

	ALLOCATED MARK	LEARNERS MARK	MODERATED MARK
SECTION A			
QUESTION 1	4		
QUESTION 2	6		
TOTAL	[10]		

	ALLOCATED MARK	LEARNERS MARK	MODERATED MARK
SECTION B			
QUESTION 3	16		
QUESTION 4	4		
TOTAL	[20]		