



basic education

Department:
Basic Education
REPUBLIC OF SOUTH AFRICA

**NATIONAL ASSESSMENT
MOTHER TONGUE-BASED BILINGUAL EDUCATION
(MTbBE): NS & TECH
END OF YEAR: 2025**

MOPHATO 4

Thuto Disaense tsa Tlhaho le Theknoloji

LoLTA: Sesotho

Matshwao: 40

Nako: Hora1 le metsotso e 20

e sa kenyelletse metsotso e 15 ya nako ya ho bala

Sefane: _____ Lebitso: _____

Sehlopha: _____ Lebitso la sekolo: _____

Setereke: _____

Teko ena e na le maqephe a 18 e sa kenyelletse leqephe le ka ntle.

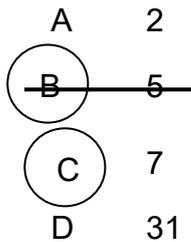
Ditaelo ho morutwana:

1. O tla fumana metsotso e 15 ya ho bala pele o qala ho araba teko ena.
2. Titjhere o tla o tataisa ka mosebetsi wa boikwetliso.
3. Bala ditaelo le dipotso kaofela ka hloko.
4. Araba dipotso kaofela.
5. Mongolo wa hao o tlameha ho ba makgethe le ho hlaka.
6. O se ke wa sebedisa khalkhuleitha.
7. Diyakramo ha di ya takwa ho ya ka scaleng (diagrams are not drawn to the scale).

Boikwetlisetso ba ho ngola

Mokgwa wa ho araba potso e nang le kgetho tse fapaneng le ho lokisa phoso

2. Beke e na le matsatsi a makae?



Ha o entse phoso ka ho sekela tlhaku B, seha mola ho B hammoho le Karabo ya yona. Sekela ho tlhaku e nepahetseng ya C.

Teko e qala leqepheng le latelang.



O se ke wa phetla leqephe ho fihlela o bolellwa ho etsa jwalo.

KAROLO A

Sekela tlhaku ya karabo e nepahetseng ka **ho fetisisa** ho tloha ho potso ya 1.1 -- 1.13.

1.1 O ka hlalosa jwang hore eneji ke eng? Eneji ...

- A e fumanaha ho metjhini feela.
- B e re thusa ho etsa dintho jwalo ka ho bapala.
- C ke seo diphoofolo le dimela di ka se etsang.
- D e etswa feela ke motho. (1)

1.2 Ke mosebetsi ofe ho diphoofolo o hlokang eneji e ngata?

- A Ho robala sebakeng se le seng
- B Ho kwenya dijo o sa hlafuna
- C Ho matha o lelekisa phofu (prey)
- D Ho dula o sa tsitsinyehe meriting (1)

1.3 Ke tatelano efe e nepahetseng ya neheletsano ya eneji (energy chain) e latelang?

- A Jwang → Letsatsi → Kgomo → Tau
- B Letsatsi → Jwang → Kgomo → Tau
- C Kgomo → Letsatsi → Jwang → Tau
- D Letsatsi → Kgomo → Jwang → Tau (1)

1.4 Setshwantsho se bontsha totjhe.



Mohlodi: Source: <https://image.made-in-china.com/202f0j00NokUSGvylFqE/Portable-LED-Torch-Lamp-Water-Resistant-Handheld-Tactical-Flash-LED-Torch-Light-for-Outdoor-Camping-Emergency-Everyday-LED-Diving-Flashlight.webp>

Ke mofuta ofe wa eneji ya bohlokwa o hlahiswang ke totjhe ha e kgantshitswe?

- A Eneji ya mofuthu
- B Eneji ya motsamao
- C Eneji ya kganya
- D Eneji ya modumo

(1)

1.5 Setshwantsho se bontsha pitsa e behilweng mollong.



Source: https://img.freepik.com/premium-photo/campfire-pot-vintage-fire-camping-cooking-cauldron-firewood-flame-hand-drawn-vector-illustration-outdoor-hot-meal-cook-sketch_73899

Kgetholla dieneji tsa inphuti le aotephuthi tse amehang ha ho phehwa dijo ka pitseng.

	Inphuti Eneji	Aotephuthi Eneji
A	Eneji ya mofuthu ka pitseng	Eneji ya kganya
B	Eneji e bolokilweng ka pitseng	Eneji ya mofuthu
C	Eneji e bolokilweng patsing	Eneji ya mofuthu
D	Eneji ya mofuthu patsing	Eneji ya kganya

(1)

1.6 Ke dikarolo dife tsa katara tse thothomelang ho ntsha modumo?

- A Dinoto tsa metale (Metal keys)
- B Dikgwele
- C Dibar tsa patsi
- D Dithupa

(1)

1.7 Setshwantsho se bontsha seletswa sa mmimo se tsebahalang ka Lenaka la Sefora (French horn).



Re ntsha jwang modumo Lenakeng la Sefora?

- A Ka ho hula o tlohela (plucking)
- B Ka ho otlala
- C Ka ho tsitsinyeha
- D Ka ho butswelwa

(1)

1.8 Setshwantsho se bontsha meropa e meholo le e menyane e entsweng ka makotikoti, a kupeditsweng ka thata ka dimetheriale tse tshwanang. Ho na le dithupa tse pedi tse sebedisetswang ho letsa meropa.



Mohlodi: <https://tse2.mm.bing.net/th/id/OIP.dlaWWnWanFRU6OBd3OilxgHaHa?pid=ImgDet&w=206&h=206&c=7&dpr=1.6&o=7&rm=3>

Ho letsa meropa ena, ho etsa medumo e fapaneng ka lebaka la.....

- A Metheriale.
- B Boholo.
- C Bodikadikwe ba meropa.
- D Dithupa tsa ho letsa meropa.

(1)

1.9 Setshwantsho se bontsha diponahalo tsa Lefatshe.



Source: <https://www.shutterstock.com/image-vector/nature-scene-background-different-parts-260nw-1653961381>

Ke lenane le feng le hlalolang diponahalo tsa sehlooho tsa Lefatshe setshwantshong?

- A Ditorotswana, ditsela, dimela le meaho
- B Dinoka, dithaba, moya le diphula
- C Dikhontinente, dinaha, le metse meholo
- D Dipolasi, difeme, le dipaka (1)

1.10 Hlalosa hore Lefatshe le tsamaya jwang ho etsa motsheare le bosiu. Lefatshe le ...

- A tsamaya ho obiti ya lona ho potoloha Letsatsi ha nngwe ka dihora tse 24.
- B tsamaya ho obiti ya lona ha nngwe ka dihora tse 12 ho potoloha Letsatsi.
- C tsamaya ho obiti e leng eliphithokhale ho potoloha Letsatsi.
- D Dikoloha (spin) ka eksese (axis) ya lona ha nngwe ho dihora tse 24. (1)

1.11 Ke efe ho tse latelang e leng ponahalo ya Letsatsi?

Letsatsi ke bolo e kgolo e tjhesang haholo ya ...

- A digase.
- B mafika.
- C lava. (lava)
- D dilikhwidi.

(1)

1.12 Hobaneng ha diphoofolo le dimela **di ke ke** tsa phela Kgweding?

- A Ha hona moya le metsi Kgweding.
- B Kgwedi e hole haholo le Lefatshe.
- C Ho dula e le bosiu Kgweding.
- D Ho tjhesa haholo Kgweding.

(1)

1.13 Kgwedi e nka matsatsi a makae ho qeta mekgahlelo (phases) e fapaneng ho potoloha Lefatshe?

- A Matsatsi a $21\frac{1}{2}$
- B Matsatsi a $29\frac{1}{2}$
- C Matsatsi a 24
- D Matsatsi a $27\frac{1}{3}$

(1)

Bapisa kholomo ya A le kholomo ya B ka ho seha mela.

Kholomo ya A	
1.14	
1.15	

Kholomo ya B	
A.	Ho butswela
B.	Mofuthu
C.	Modumo

(1)

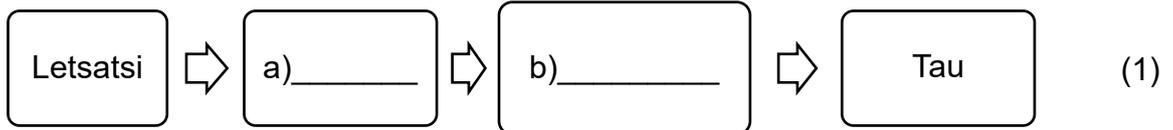
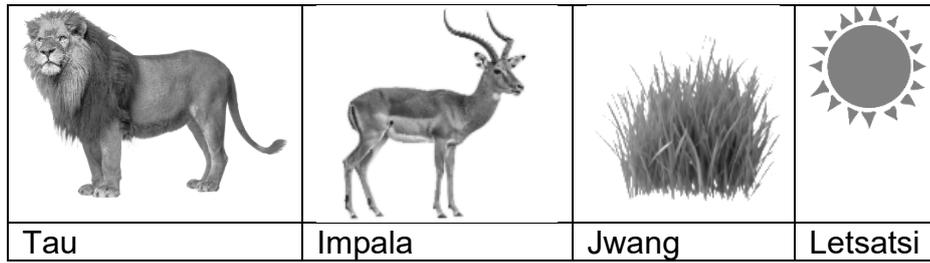
(1)

Araba dipotso 1.16 – 1.27 dibakeng tse filweng.

Fana ka teme (term) e nepahetseng bakeng sa poleleo (statement) e nngwe le enngwe e latelang

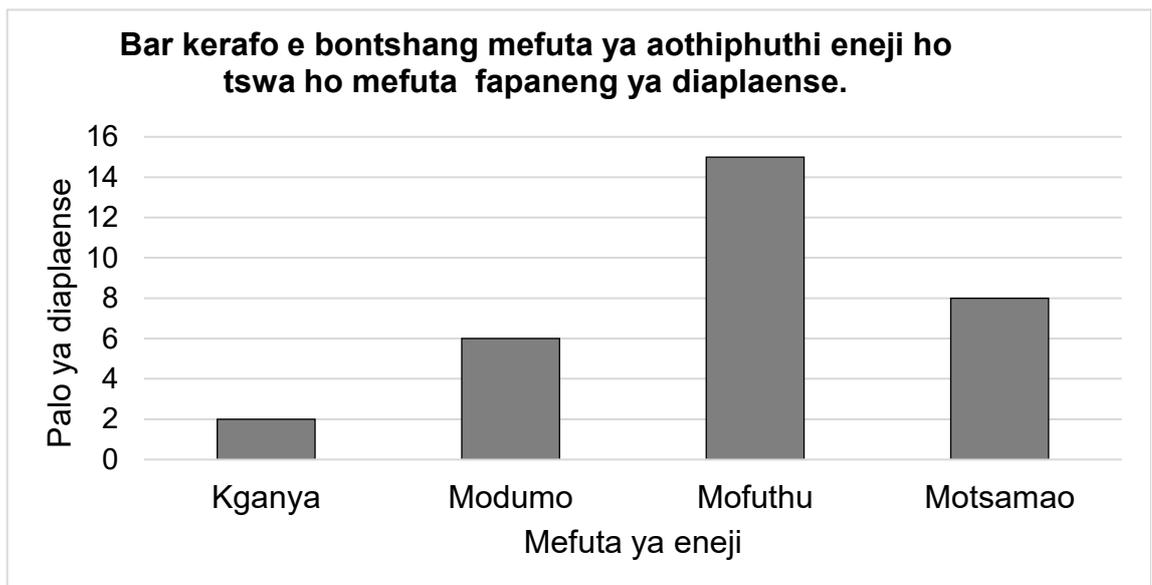
- 1.16 Tatelano e bontshang phetiso ya eneji ho tloha ho Letsatsi ho ya ho dintho tse phelang.
 Karabo: _____ (1)
- 1.17 Naledi e haufi haholo le Lefatshe.
 Karabo: _____ (1)
- 1.18 Re fumana eneji ho tswa dijong. Dijo ke _____ ya eneji.
 Karabo: _____ (1)

1.19 Sebedisa ditshwantsho tse fanweng ho qetela dayakramo ya phallo ya eneji.



1.20 Ithute kerafo e be o araba dipotso.

Barutwana ba Kereiti ya 4 ba fupuditse palo ya diaplaense tse hlahisang eneji e hlokokwang haholo malapeng a bo bona. Diphetho di bontshitswe ho bar kerafo



1.20.1 Tsebahatsa ho tswa ho bar kerafo hore ke mofuta ofe wa eneji o hlahiswang haholo?

Karabo:

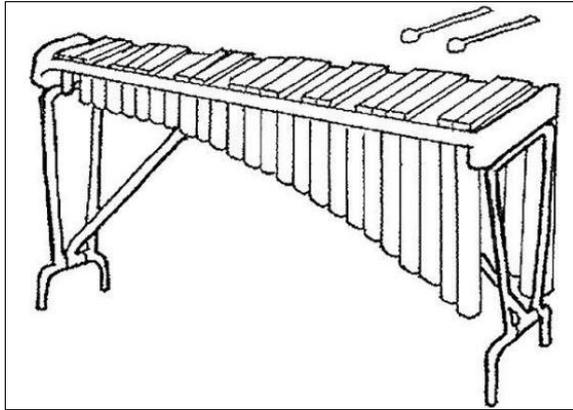
(1)

1.20.2 Fana ka lebaka la karabo ya hao e ho **1.20.1**

Karabo:

(1)

1.21 Setshwantsho se bontsha seletswa sa mmino sa marimba.



Modumo o hlahiswa jwang ho seletswa sena sa mmino?

Karabo:

(1)

1.22 Setshwantsho se bontsha seletswa sa mmino sa lehae (Indigenous).



Source: <https://i.ebayimg.com/images/g/TgsAAOSwZMNkWOgx/s-l960.webp>

1.22.1 Ke eng lebitso la seletswa sena?

(1)

Karabo:

1.23 Dayakramo e bontsha dikhontinente le mawatle a Lefatshe.



Mohlodi: https://www.georgethegeographer.co.uk/Base_maps/Base_maps.html

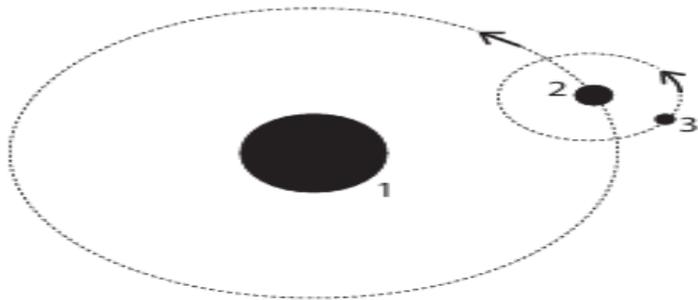
Kgetholla dikhontinente tse tshwauweng A le B setshwantshong.

Karabo:

A _____ (1)

B _____ (1)

1.24 Dayakeramo e bontsha karolo ya sistim ya Letsatsi (Solar System).



1.24.1 Ke palo efe e emetseng Lefatshe?

Karabo: _____ (1)

1.24.2 Ke palo efe e emetseng Kgwedi?

Karabo: _____ (1)

1.25 Setshwantsho se bontshang Kgwedi.



Fana ka ponahalo e le NNGWE ya Kgwedi.

Karabo:

(1)

1.26 Bala pale ya Kgwedi o arabe dipotso

Kgale kgale Letsatsi le Kgwedi di ne di nyalane. Ba ne ba e na le bana ba bangata ba bitswang Dinaledi. Letsatsi o ne a rata bana ba hae haholo. Letsatsi o ne a rata bana ba hae mme a rata ho ba tswhara.

Empa o ne a tjhesa haholo mme Dinaledi di ile tsa tjha. Dinaledi di ne di sa rate ho tjha, kahoo di ne di baleha kamehla di ilo ipata ha a kgutla sepakapakeng. Empa Dinaledi di ne di rata ho ba le mme wa tsona, e leng Kgwedi, hobane o ne a phodile.

Mohlodi:Thunderbolt

1.26.1 Ho ya ka pale, ke hobaneng ha Dinaledi di ipata ha Letsatsi le hlaha sepakapakeng hara motsheare?

Karabo:

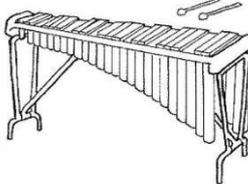
(1)

1.26.2 Ke lebaka le fe le nepaheteseng le etsang hore Dinaledi di seke tsa bonahala motsheare?

(1)

Karabo:

1.27 Setshwantsho se bontsha mefuta e fapaneng ya diletswa tsa mmino.

			
A. Meropa	B. Terompeta	C. Marimba	D. Mashwehleshwehle

Ke seletswa sefe sa mmino se hlahisang modumo ka ho se butswela?

Karabo: _____

(1)

SECTION B

Circle the letter of the **most** correct answer from question 2.1 – 2.3.

2.1 Describe the term noise pollution.

- A Harmless sounds that are produced by musical instruments
 - B Sounds that make people and animals relax and enjoy music
 - C Unwanted sounds that can harm people and animals
 - D Sounds that cannot damage our ears and human health
- (1)

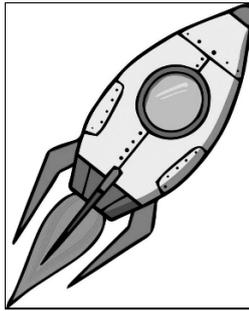
2.2 Study the pictures and answer the question.

		
i Drilling when someone wants to sleep	ii A fan cooling someone on a hot day	iii A violinist playing at a concert

Which of the object(s) is/are sources of noise pollution?

- A i and iii
 - B ii and iii
 - C i
 - D iii
- (1)

2.3 This is a picture of a rocket.



Source: <https://clipartmag.com/image/simple-rocket-ship-drawing-5.jpg>

How does a rocket move into Space from the Earth? It ...

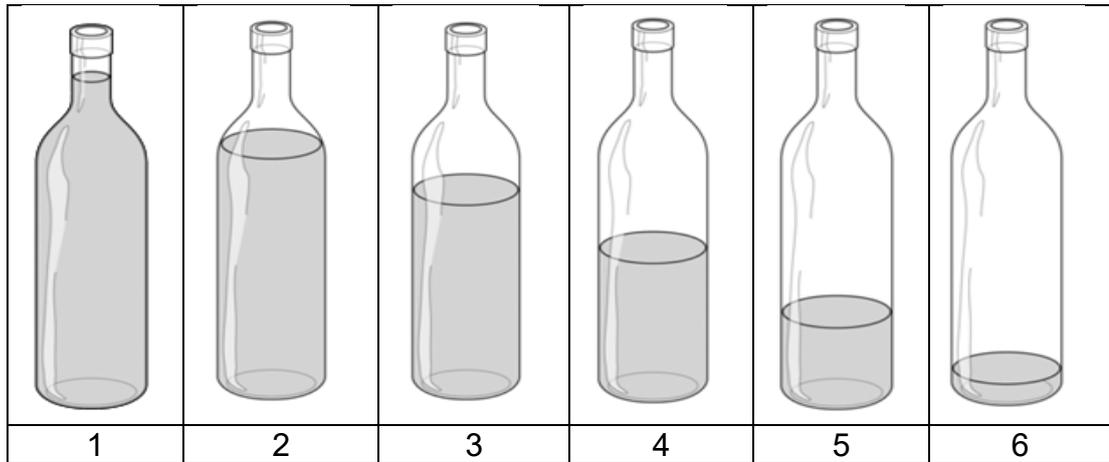
- A floats up gently because it is light.
- B is pushed into Space by the blowing wind.
- C jumps into Space using springs.
- D pushes upwards by releasing hot gases. (1)

Answer question 2.4 – 2.7 on the spaces provided.

2.4 What do we call musical instruments that produce sound by being blown? (1)

Answer: _____

2.5 The bottles below are arranged from the fullest to the least amount of water to make a water marimba.



2.5.1 If a pencil is used to tap each bottles at the top which bottle will produce a low pitch?

Answer:

_____ (1)

2.5.2 Explain your answer in **2.5.1**.

Answer:

_____ (1)

2.6 What is a rocket?

Answer:

_____ (1)

2.7 Imagine you are a scientist testing different balloon rockets.

Name TWO factors that might affect how far and how fast a rocket balloon travels.

Answer:

a) _____ (1)

b) _____ (1)

MATSHWAO KAOFELA: [40]

Pheletso ya teko