TARGETER WINGS JUNIOR SCHOOL ASSESSMENT



GRADE 8 - 2024



TIME:1hour 20mins

INTEGRATED SCIENCE

Name	e e _g t		· <u></u>	1, 2* * *	
School	 		13.7		
Adm No:	 Date _	ir Days		1 14	

Instructions:

- (a) Write your name, school, admission number and date in the spaces provided above.
- (b) Answer all questions in this question paper.

FOR EXAMINER'S USE ONLY					
Questions	Maximum score	Student's score	Performance scale		
1	1				
2	4	7			
3	3 3 5 5 5 5 5).		
4	3	the second of th	. '		
5	1	Till state	,		
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13	3	- 10 m			
14	2				
15	3				
		. At 5			
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Total	50				

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1.	Mercy put a tea bag in a cup full of hot water. She observed that the dark colour of the tea leaves spread out to all parts of the water until it was evenly distributed. This happened as a result of
2.	Scientists use chemical symbols instead of names to refer to elements since they are easier and convenient. Chemical symbols of elements can either be derived from their English names or Latin names. Match the elements below with their Chemical symbols. (4 marks)
	i. Helium
	ii. Magnesium
	iii. Copper
	iv. Nitrogen
	v. Fluorine
	Trucking
3.	Compound has unique chemical formulas that show the elements that make up the compound and their proportions. Write down word equations to represent the reactions of elements that form the compounds below. (3 marks)
	i. Copper oxide
	ii. Carbon dioxide
	iii. Sodium chloride
4.	Cells are too tiny to be seen with the naked human eye thus the need for a light microscope. Identify the parts of a light microscope and their functions. (3 marks)
	1 2 10 3 4 11 12 7 8
	i. 1
5.	Grade 8 learners inflated balloons of different shapes by blowing air into them as shown below

What conclusion did they make? (1mk)

6. Fill in the blank areas with the correct observations in terms of colour change when different indicators come into contact with acids or bases. (6 marks)

Indicator	Acidic Solution	Basic Solution	
Methyl orange			
Phenolphthalein			
Litmus paper			

	nus paper	- 1:	المنافعة الم	a in the three states	of matter
Write	the characterist	e discussing characte tics of particles in eac	h state.	(3 marks)	or matter.
c) Ga		• • • • • • • • • • • • • • • • • • • •		•••••	
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a. Me	_	organs that help in ex	cretion (2)	marks)	
i.					
ii.					
b. Me	ention 3 parts the	at make up the Urina	ry system and the	eir functions (3 marl	cs)
iii				•••••	
~ .		eams are beauty produ	note used to redu	ce melanin in the sk	in Give th
c. Ski	in lightening cre	cams are beauty produ	(2)	marks)	0110 111
	fects of such cre	ams 	•	,	
i.	•••••			7	
ii.					
iii	i	ounds are important a	s they have many	vuses in our day to	dav lives.
	such uses.			(3 marks)	,
i.		• • • • • • • • • • • • • • • • • • • •			
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perm	anent changes i	ried out the experime in substances. They h	nt below as they eated blue hydra	were learning temp ted copper (II) Sulp	orary and hate as sho
belov					
		Copper (II) Sulpha	ite		
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tı	ube /// Heat	씸	٠		
	11000	\	Liquid F ـــ		
			Ice water		
	hov ohe	serve?			
a. W	hat did they out				(1 m
ь. Th	e product form	ed after heating is kn	own as	(1 mark)
c. W	hen water was a	added to the substanc	e in (b) above, w	hat was observed? (1 mark) .
				,	•
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TW-004

	d. The above experiment demonstrates an example of a
11.	(1 mark) Matter exists in three states. It can change from one state to another either on heating or on cooling. List three applications of changes of state of matter in day- to-day life. (3 marks)
	ii
12.	Fire safety is very important and therefore every institution should have fire safety posters. Indicate what each of the following fire safety posters means (3 marks)
	Fire exit
	ii.
	FIRE ASSEMBLY
	POINT
	iii.
	FIRE
13.	Grade 8 students were learning fire control measures and they learnt that to prevent the spread of fire, one or more components should be removed from the fire triangle. Mention the 3 components of fire. (3 marks)
	i
	ii
14.	Grade 8 learners carried out the following experiments. Indicate whether the changes observed are temporary or permanent. i. They placed some papers in a crucible and lit them to completely burn and only ash was left behind
	ii. They heated candle wax in a boiling tube dipped in a beaker of boiling water. After the wax melted, they removed the boiling tube from the hot water and allowed it to cool and the wax became solid again.
15.	Grade 7 learners were learning about the excretory system. They were taught several ways of maintaining a healthy skin. Mention 3 ways they could have learnt during the lesson. (3 marks)
	i. ii. iii.
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