



# TARGETER WINGS



## JUNIOR SCHOOL ASSESSMENT

### GRADE 7 - 2024

Time: 1 hr 20mins

## INTEGRATED SCIENCE

Name _____
School _____
Adm No: _____ Date _____

**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	3		
2	3		
3	2		
4	3		
5	4		
6	3		
7	3		
8	3		
9	5		
10	2		
11	4		
12	3		
13	3		
14	3		
15	3		
16	1		
17	2		
<b>Total</b>	<b>50</b>		

1. To integrate means to bring together or combine parts of something into a whole. Integrated Science has several components that make it up. Name and define three components of Integrated Science. (3mks)

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2. Grade 7 learners in Bidii school were learning the importance Integrated Science in our daily lives. Mention **three** points they were likely to have learnt. (3mks)

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3. Laboratory safety is very important and should be given a priority so that learners are safe when carrying out experiments. List **two** ways through which we can ensure this is observed. (2mks)

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4. Grade 7 learners in Jamii school observed a chart that had common hazard symbols and their meaning. Give the meaning of the following symbols that they observed. (3mks)

a)



b)



c)



5. During an experiment in the laboratory, James was cut by some broken glass apparatus which resulted to bleeding. Outline the first aid procedure that was administered to him by the school first aider. (4mk)

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6. To ensure learners' safety in the laboratory, the Grade 7 teacher of Integrated science in Joy school taught them safety measures and regulations in the laboratory. Mention any **three** measures he taught them. (3mks)

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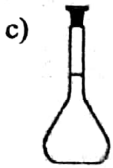
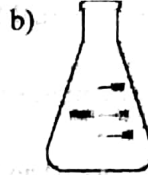
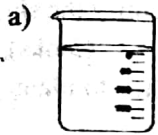
7. Grade 7 learners in Step Junior school set up an experiment to separate a mixture of separating mixtures. Outline **three** Basic Scientific skills that they used and the carried out the experiment. (3mks)

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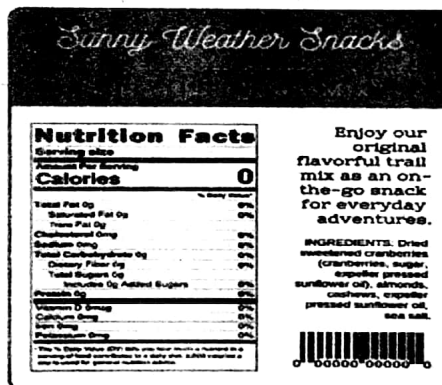
8. Identify the apparatus drawn below that are used for measuring volume in a Science laboratory. (3mks)



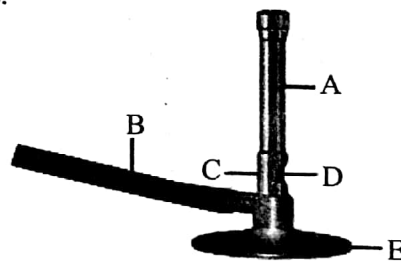
9. Scientists developed a standard system of measurement called the International System of units (S.I) so as to standardise measurements in Science. State the S.I units for the Basic quantities in the table below. (5mks)

Basic quantity	SI unit
Length	
Time	
Electric current	
Temperature	
Mass	

10. Products we buy have some packaging labels, below being an example, which are important and should be read carefully before using such products. Mention two ways in which the information on packaging labels helps us. (2mks)



11. Grade 7 learners were learning about heating apparatus in the laboratory. They were shown the apparatus shown below as an example.



a) Name the apparatus \_\_\_\_\_ (1mk)

b) Name the parts labelled A, B and E \_\_\_\_\_ (3mks)

A \_\_\_\_\_  
E \_\_\_\_\_

B \_\_\_\_\_

12. Below are some activities that happen in real life and require basic skills in Science. Identify the skill used in each of the activities. (3mks).

i. Meteorologists studying weather patterns to forecast weather then advise farmers when to plant

ii. A Grade 7 learner assembles apparatus and successfully carries out an experiment

iii. A doctor looks at a sick baby and suggests that she be taken to the laboratory for testing.

13. The circulatory system is an important system in our bodies since it helps in transportation of materials in the body. Name three parts that make up the circulatory system. (3mks)

i. \_\_\_\_\_

ii. \_\_\_\_\_

iii. \_\_\_\_\_

14. Define the following terms. (3mks)

a. Mixture \_\_\_\_\_

b. Homogenous mixture \_\_\_\_\_

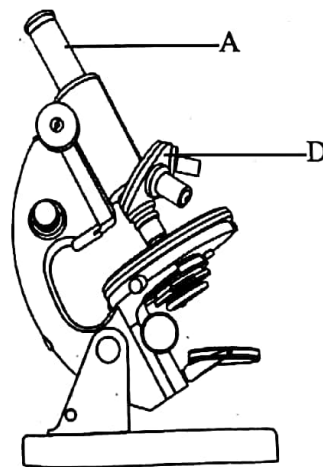
c. Heterogenous mixture \_\_\_\_\_

15. State whether the mixture below is either homogenous or heterogenous. (3mks)

Mixture	Homogenous or Heterogenous
Salty water	
Salt and sand	
Water and kerosene	

16. Jane mixed sand and water accidentally. Mention one method she could have used to separate the two. (1mk)

17. One of the apparatus used for magnifying in a laboratory is the light microscope which is below. Name and give the functions of the parts below (2mks)



i. A \_\_\_\_\_

ii. D \_\_\_\_\_