

# TARGETER WINGS

## JUNIOR SECONDARY SCHOOL ASSESSMENT



### GRADE 8 - 2024



**TIME: 1 hour 20 mins**

### 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	1		
2	3		
3	2		
4	4		
5	2		
6	4		
7	4		
8	2		
9	5		
10	5		
11	4		
12	2		
13	1		
14	4		
15	3		
16	1		
17	1		
18	2		
<b>Total</b>	<b>50</b>		

**INTEGRATED SCIENCE**

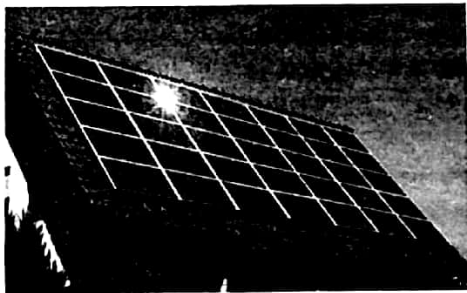
1. Solid wax melts upon heating. When cooled, the liquid wax changes back into solid wax. Such a change that can be reversed is referred to as a ..... change (1 mark)

2. Illustrate the arrangement of particles in the three states of matter by use of diagrams. (3 marks)

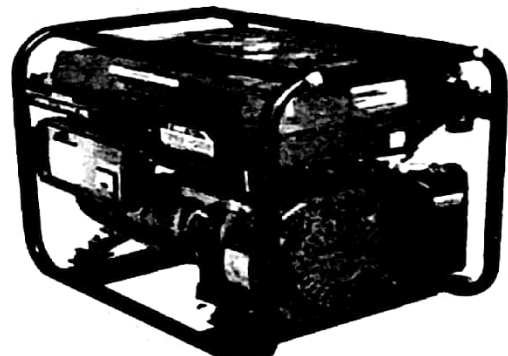
Solids	Liquids	Gases

3. Electricity is generated from many different sources. Name the sources shown below. (2 marks)

a)



b)



4. As Sharon was walking around the school compound, she came across a classmate who had a minor cut. Outline the first aid measures she should have taken. (4 marks)

- a).....
- b).....
- c).....
- d).....

5. Grade 7 students were learning methods of separating mixtures. They mixed sand and water. Name two methods of separating mixture they could have used to separate the two successfully. (2 marks)

- a).....
- b).....

6. The Grade 8 teacher of Integrated Science in Wonder school drew the table below to check the learners' understanding of elements and compounds. State whether it is a compound or an element as per the description given. (4 marks)

	An element or a compound
a) It is made of two or more elements combined together by chemical means	
b) It is made up of only one kind of tiny particles known as atoms	
c) It can be broken down into its constituent elements by chemical means	
d) It cannot be broken down into simpler substances either by physical or chemical means	

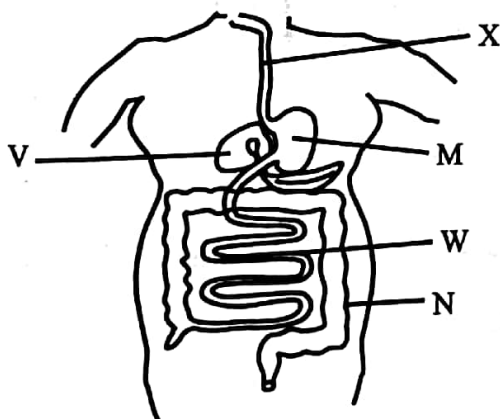
7. A social worker visited Makutano Junction school to talk about common healthy concerns in the community. List four concerns he was likely to have talked about. (4 marks)

- a) .....
- b) .....
- c) .....
- d) .....

8. It is recommended that we should take a minimum of 6 to 8 glasses of water every day because water is very important in promoting health. Mention two roles water plays in our bodies. (2 marks)

- a) .....
- b) .....

9. The human body has many systems that help it function properly. The diagram below shows one of the systems, the digestive system. Label the shown parts correctly. (5 marks)



- X \_\_\_\_\_
- M \_\_\_\_\_
- V \_\_\_\_\_
- W \_\_\_\_\_
- N \_\_\_\_\_

10. Scientists use chemical symbols instead of names to refer to elements since they are easier and convenient. Match the elements below with their Chemical symbols. (5 marks)

- a) Hydrogen -
- b) Iron -
- c) Aluminium -
- d) Silver -
- e) Carbon -

11. James was experiencing some pains and discomforts and therefore he visited a doctor for advice. After tests and diagnosis, he was given some medicines to help him get better. Mention four ways James can store his medicine properly. (4 marks)
- a).....  
 b).....  
 c).....  
 d).....
12. Water and common salt are compounds. Each compound has a unique chemical formula that shows the elements that make up the compound and their proportions. Write down the Chemical formulas for water and common table salt. (2 Marks)
- a) Water -  
 b) Common salt -
13. Menstruation is a natural normal process that starts in girls at the onset of puberty. An absorbent pad worn during the process to absorb the menstrual flow is known as a ..... (1 mark)
14. It is important to eat a balanced diet that contains all the nutrients that our bodies need for proper growth and functioning. When this is not met, it can lead to nutritional deficiency diseases. Name four such nutritional deficiency diseases. (4 marks)
- a) .....  
 b) .....  
 a) .....  
 b) .....
15. As our bodies perform different functions, waste is produced and therefore there is need to remove the excess and unnecessary materials from the body for it to continue functioning properly. The excretory system performs this important function. Mention three organs that will help in excretion. (3 marks)
- a) .....  
 b) .....  
 c) .....
16. Emergency care or treatment given to an ill or injured person to save their lives before seeking medical attention is known as ..... (1 mark)
17. Jane carried the food items shown below to school as her 10 o'clock snacks



All the food items are examples of macro nutrients known as ..... (1 mark)

18. As we learn in school, there are careers that we aspire to pursue in future. Mention any two opportunities that can be availed through knowledge in Health Education. (2 marks)
- a) .....  
 b) .....