

COMPETENCE BASED ASSESSMENT

JUNIOR SCHOOL

GRADE 8

INTEGRATED SCIENCE



SCHOOL:

NAME:

ASSESSMENT NO: DATE:

ASSESSMENT RUBRICS

Scores	80-100	60-79	40-59	Below 40
Enter learner's score (%)				
Levels	EXCEEDING EXPECTATIONS	MEETING EXPECTATIONS	APPROACHING EXPECTATIONS	BELOW EXPECTATIONS
Points	4	3	2	1
Tick				

Answer all questions in this paper.

1. State **three** characteristics of liquids. (3 mks)

- a.
b.
c.

2. Define the term diffusion. (2 mks)

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.....

3. Name any **two** substances that undergo temporary chemical changes. (2 mks)

- a.
b.

4. List **two** applications of the changes of states of matter in day to day life. (2 mks)

- a.
b.

5. Differentiate between an element and a compound (2 mks)

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6. Fill in the table below (5 mks)

	Element	Symbol
a.	Sodium	
b.		Be
c.	Argon	
d.		Al
e.	Fluorine	

7. Identify the elements that make up the following compounds. (3 mks)

- a. Carbon (iv) oxide
- b. Water
- c. Sodium bromide

8. Give one importance of each of the following elements. (4 mks)

- a. Gold
- b. Iron
- c. Nitrogen
- d. Oxygen.....

9. List **two** uses of the information on packaging labels of commonly consumed substances.

- a.
- b.

10. Name the **three** components of the fire triangle

- a.
- b.
- c.

11. Describe **four** ways of controlling fire. (4 mks)

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

12. Grade 7 students observed the equipment below in their school laboratory.



a. Identify the piece of equipment. (1 mk)

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b. When they looked more closely, she noted the **acronym PASS** written on the piece of equipment. What does the acronym stand for? (4 mks)

P

A

S

S

13. Name **four** classes of fire (2 mks)

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

14. Describe **three** challenges associated with the menstrual cycle. (3 mks)

- a.
- b.
- c.

15. Differentiate between fertilization and implantation. (2 mks)

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16. List three functions of the skin. (3 mks)

- a.
- b.
- c.

17. Name **two** parts of the urinary system and state their functions. (4mks)

Part	Function

18. Describe how an object is charged. (2 mks)

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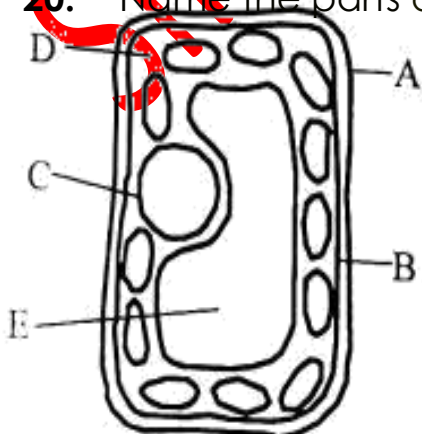
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19. State **four** sources of electricity in our environment. (2 mks)

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

20. Name the parts of the plant cell below. (5 mks)



- A.
- B.
- C.
- D.

E.

21. Give **two** differences between a plant cell and an animal cell. (2mks)

Plant cell	Animal cell

21. Lekupesi used a microscope to observe a specimen. The eyepiece lens had a magnification of **X4** and the total magnification was **X60**. Calculate the magnification of the objective lens. (2 mks)

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