

# COMMON SCHOOLS SUMMATIVE ASSESSMENT



SCIENCE AND TECHNOLOGY

GRADE 4

ASSESSMENT TWO 2020

NAME: \_\_\_\_\_

SCHOOL: \_\_\_\_\_

GRADE 4: \_\_\_\_\_

DATE: \_\_\_\_\_

GENDER: BOY

GIRL

Answer **ALL** the questions in the spaces provided.

## Strand/Substrand: Living things.

### Task 1

#### Do plants breathe.

Sally a grade 4 pupil at Amani Primary School cut a green leaf from a plant and set up the experiment below.



After an hour she carefully looked at the leaf from the sides of the glass.

a. What did she observe?

\_\_\_\_\_ . ( \_\_/2marks)

b. What was her conclusion?

\_\_\_\_\_ . ( \_\_/2marks)

c. What makes plants living things?

( \_\_/4marks)

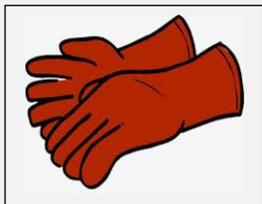
#### Characteristics of plants

- a. \_\_\_\_\_ .
- b. \_\_\_\_\_ .
- c. \_\_\_\_\_ .
- d. \_\_\_\_\_ .



When handling plants, we should wear protective clothes and footwear.

Write the names and uses of the following items



\_\_\_\_\_ .  
\_\_\_\_\_ .



\_\_\_\_\_ .  
\_\_\_\_\_ .

( \_\_/4marks)

## Task 2



David placed his hand on his friend Richard's chest. He asked Richard to breathe out slowly. What happened to Richard's chest?

### Observation.

- a. When we breathe in, the chest \_\_\_\_\_  
\_\_\_\_\_.
- b. When we breathe out the chest \_\_\_\_\_  
\_\_\_\_\_.

### Conclusion

\_\_\_\_\_  
(\_/6marks)

Write down the differences between vertebrates and invertebrates.  
(\_/3marks)

<b>Vertebrates</b>	<b>Invertebrates</b>
a. _____	a. _____
b. _____	b. _____
c. _____	c. _____

## Task 3

- What is digestion? \_\_\_\_\_
- \_\_\_\_\_.
- Digestion takes place in a tube like passage called \_\_\_\_\_.

- Digestion begins in the \_\_\_\_\_ and ends at \_\_\_\_\_. (  /4marks)

Draw and label a digestive system.

(  /5marks)

### Assessment Rubric

<b>Exceeds Expectation</b>	<b>Meets Expectation</b>	<b>Approaching Expectation</b>	<b>Below Expectation</b>
27 - 30	21 - 26	15 - 20	0 - 14