

MINISTRY OF EDUCATION
SECONDARY ENGAGEMENT PROGRAMME
GRADE 8
INTEGRATED SCIENCE

Week 5

Lesson 2 - Worksheet

Section A

1. All of the following are underground storage stems EXCEPT
 - A. Eddo
 - B. Yam
 - C. Carrot
 - D. Ginger

2. Two plants which store food in the root are :
 - I. Cassava II. Canna Lily III. Onion IV. Carrot
 - A. I and II
 - B. I and IV
 - C. III and I
 - D. IV only

3. An example of a bulb is _____
 - A. Cassava
 - B. Onion
 - C. Carrot
 - D. Potato

4. An example of a plant that stores food in its seed is
 - A. coconut
 - B. pumpkin
 - C. tomato
 - D. garlic

5. Which of the food given below does not contain starch?
- (i) tomato (ii) cassava (iii) eddo (iv) carrot (v) coconut
- A. tomato and cassava
B. coconut and tomato
C. cassava and coconut
D. carrot and eddo
6. An example of a swollen tap root is
- A. cassava
B. coconut
C. carrot
D. Irish potato
7. A sample of food was tested using sodium hydroxide and copper sulphate solution. What was the food sample tested for?
- A. starch
B. fats
C. sugar
D. protein
8. The test that was carried out using the sodium hydroxide and copper sulphate solution is called
- A. starch test
B. Biuret Test
C. fat test
D. sugar test
9. An example of a rhizome is
- A. ginger
B. eddo
C. yam
D. cassava

10. What is the name given to an underground stem that has scale leaves

- A. rhizome
- B. bulb
- C. corm
- D. stem tuber

Section B

Copy and complete the table below

type of molecule tested	reagents used	positive result	negative result
protein	blue solution
.....	alcohol and water	white emulsion	clear liquid
starch	yellow solution

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Lesson 2: Worksheet - Answers

Section A

1. C
2. B
3. A
4. A
5. B
6. C
7. D
8. B
9. A
10. C

Section B

Type of Molecule	Reagents used	Positive results
Protein	<u>Sodium hydroxide</u> <u>Copper sulphate solution</u>	Purple colour
<u>Fats</u>	Alcohol and water	White emulsion
Starch	<u>Iodine solution</u>	<u>Blue-black</u>