

MINISTRY OF EDUCATION
SECONDARY ENGAGEMENT PROGRAMME
GRADE 8
INTEGRATED SCIENCE

Week 4

Lesson 1 - Worksheet 1

Instructions: Read the questions carefully then circle the letter that corresponds with your chosen answer

(1). Cutting, layering and grafting are examples of

- | | |
|---|--|
| (a). Natural vegetative propagation | (b). Artificial vegetative propagation |
| (c) Both natural and artificial propagation | (d). None of the above |

(2). What is the form of vegetative propagation that occurs when a plant droops and the drooping stems form roots and new plants?

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|---------------|---------------|
| (a). Rhizomes | (b). Cutting |
| (c). Runners | (d). Layering |

(3). Which of the following method is commonly practiced for root induction?

- | | |
|--------------|---------------|
| (a). Cutting | (b). Layering |
| (c) Grafting | (d). Budding |

(4). Which of the following method is suitable for combining the desirable characteristics of two plants together in a single plant?

- | | |
|--------------|-------------------|
| (a). Cutting | (b). Layering |
| (C) Grafting | (d). All of these |

(5). In grafting, the rooted plant is called the stock. The stem cutting from the donor plant is called the

(a). Transplant

(b). Scion

(c) Bud graft

(d). Root stock

(6). In the cutting method of vegetative propagation, the cuttings are mainly taken from

(a). Leaves of parent plant

(b). Stem of parent plants

(c) Shoots of parent plant

(d). Buds of parent plant

Fill in the blanks usually the appropriate answers from the word bank below

Word Bank

Adventitious roots	sexual	asexual	scion	
Callus	node	cutting	grafting	fibrous roots

7. The point on a stem where one or more leaves are attached is called a _____

8. _____ reproduction is a type of reproduction in which no sex cells are involved and the offspring has only one parent.

9. _____ is a portion of a plant that has been cut from the parent plant and will be used to produce new offspring.

10. The roots coming from any plant part other than the seedling root are called _____.

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Lesson 1: Worksheet 1 - Answers

(1). B

(2). D

(3). A

(4). C

(5). B

(6). B

(7). Node

(8). Asexual

(9). Cutting

(10) Adventitious roots