

**BA SANGAM COLLEGE**

**Year 9**

**Basic Science**

**Worksheet 4**





Sub strand: Structure & Life Processes

1. Define **Asexual** reproduction

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2. Read and analyze the pictures and complete the table.

Asexual Reproduction

<b>Plant</b>	<b>Natural vegetative propagation method</b>
1. Ginger plant 	
2. Potato 	
3. Dalo 	
4. onion 	

3. Asexual reproduction is also called \_\_\_\_\_.

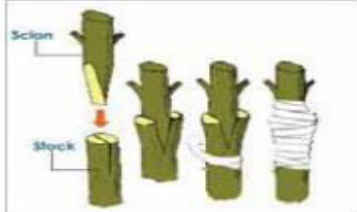
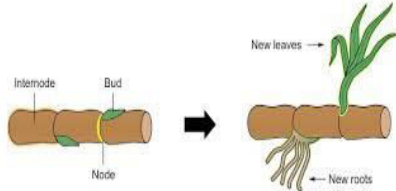

4. State **one advantage** of asexual reproduction.

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5. State the **3** methods of **artificial** vegetative reproduction.

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6. Identify the following artificial plant propagation methods from the following pictures.

Artificial propagation method	Diagram
	 <p>The diagram illustrates the grafting process. It shows a 'Scion' (a short piece of a plant stem) being inserted into a 'Stock' (a larger plant stem). The process is shown in four stages: 1. The scion and stock are cut. 2. The scion is inserted into the stock. 3. The junction is wrapped with a band. 4. The final grafted plant with the scion growing from the stock.</p>
	 <p>The diagram illustrates the layering process. It shows a stem with a 'Node' and a 'Bud'. One end of the stem is buried in the soil. An arrow points to the resulting plant, which has 'New leaves' and 'New roots' growing from the buried part.</p>
	 <p>The diagram illustrates the stem cutting process. It shows a cutting being inserted into the soil. An arrow points to the resulting plant with roots and leaves.</p>

7. The \_\_\_\_\_ is the reproductive part of a plant.

8. The **two processes** that are involved in **reproduction** in plants are:

i. \_\_\_\_\_

ii. \_\_\_\_\_

9. Some plants have flowers that are pollinated by insects while others have flowers that are pollinated by wind.

Complete the table below by stating **two** features each of the flowers pollinated by wind and insects.

Insect pollinated flowers	Wind pollinated flowers

10. a. What is **fertilization**?

\_\_\_\_\_

b. Discuss how fertilization takes place in plants.

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