



TAVUA COLLEGE

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WEEKLY HOME STUDY PACKAGE – WEEK 1 (05/07/21 – 09/07/21)

Subject	BIOLOGY	YEAR/LEVEL	11
Strand	1 – STRUCTION AND LIFE PROCESSES		
Sub – Strand	BIO 11. 1.5 Structure, Form and Function in Plants		
Content Learning Outcome	Explore and discuss the features of plant structures and account for their functional adaptive feature		

Exercise Solutions

- i) State 2 reasons why plants need firm anchorage. (2 marks)
I. Anchor and supports the plants. II. Store food for the plants
- ii. What are the 3 main types of roots? (3 marks)
Fibrous roots, tap roots and adventitious roots.
- iii. Give two differences between tap and fibrous root system. (2 marks)
Tap root – one large main root that goes deep into soil.
- may have lateral roots branching off its sides.
Fibrous root – many thin roots spread out on the soil.
- forms a big tangle of roots and soil.
- iv. What happens at the zone of cell division? Where is it located? (2 marks)
Consists of actively dividing cells and gives rise to all the cells behind the apex, which develop into mature primary tissues. It is located in the apical meristem.
- v. State the function of the root cap. (1 mark)
Protects the meristem as the root pushes into the soil.

THE END