

### 3.3.1 Nutrition in the Flowering Plant

#### Self-Assessment

#### Where is your learning at?

Green: I know it all

Orange: I have some idea – check the answers

Red: I need to start studying this section

		Green	Orange	Red
	<b>CAN YOU</b>			
1	Explain why plants are called autotrophs			
2	Explain why plants need a transport system, listing the materials that need to be transported			
3	Describe how water enters the root including the role of the root hairs			
4	Describe and explain how water moves across the root tissue to reach the xylem			
5	Explain how water moves up the stem to the leaf			
6	Explain the role of root pressure and transpiration in water movement up the stem			
7	Explain how the cuticle and stomata function in controlling water loss from the plant			
8	Explain how minerals are absorbed by the root			
9	Explain how minerals travel from the root to all parts of the plant			
10	State two ways a leaf gets carbon dioxide			
11	Explain how carbohydrates produced in photosynthesis are transported away from the leaf			
12	Explain how oxygen gas, produced in photosynthesis, is transported away from the leaf			

## 3.3.2 Modified Plant Food Storage Organs

### Self Assessment

#### Where is your learning at?

Green: I know it all  
 Orange: I have some idea – check the answers  
 Red: I need to start studying this section

		Green	Orange	Red
	<b>CAN YOU</b>			
1	Name one plant that has a root modified to store food			
2	Name one plant that has a stem modified to store food			
3	Name one plant that has leaves modified to store food			
4	Put three labels on a diagram of a potato			
5	Put four labels on a diagram of a cross section of an onion bulb			

## 3.3.7.H Cohesion-Tension Model of Xylem Transport

### Self-Assessment

#### Where is your learning at?

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 Red: I need to start studying this section

		Green	Orange	Red
	<b>CAN YOU</b>			
1	Name the two Irish Scientists that proposed the Cohesion-Tension model of Xylem Transport			
2	Explain the term cohesion			
3	Explain the term adhesion			
4	Explain the term transpiration			
5	Explain how tension arises in a column of water in the xylem			
6	Define osmosis			
7	Draw and label xylem tissue			
8	Outline the main points explaining how water can rise to great heights in a plant against the force of gravity			