



BYJU'STM
The Learning App

Class-4

PLANTS



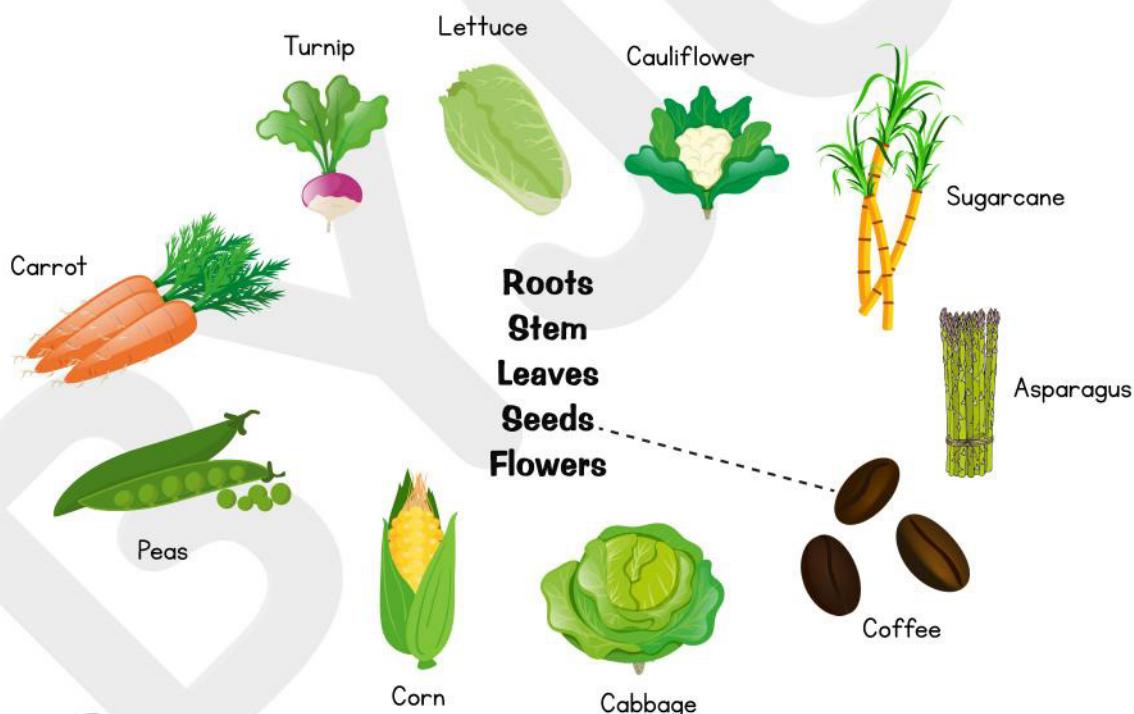
QUESTIONS



Plant Parts we Eat!

Which parts of a plant do we usually eat? The seed? The fruit? The stem? If you look at some plants we eat more than one of their parts. The root of the beet plant is what most people like to eat, but the leaves are not just edible but healthy too! We can eat beet leaves in salads when the leaves are young and tender. When they get bigger, they taste better when cooked. On the other hand, tomato a fruit that we so often use and consume as part of our cuisine has leaves that are poisonous!

Given below are different vegetables that we consume frequently. You have to match the plants to the parts we eat. One has already been done for you.



Living it up with Plants!

Plants are living things, but they are different from animals. Plants can make their own food inside their leaves. In order to make food, they need sunlight, air, and water from the soil. Plants use this food to grow and to carry out other life processes. They reproduce to make more plants like themselves. Unlike animals, plants do not move from place to place on their own. They are sensitive to light and grow towards it.

Did You Know?

About 38-95 litres of water can evaporate from a large oak or beech tree in just 24 hours!

Here are some observations about an oak tree.

Put a check mark (✓) beside any fact that tells you the oak tree is alive.

- The tree uses its leaves to make food.
- It produces acorns in the autumn.
- Birds nest in the branches.
- Squirrels eat the acorns.
- It takes in water through its roots.
- It grows 300 mm each year.
- The branches move in the wind.



Plant Groups

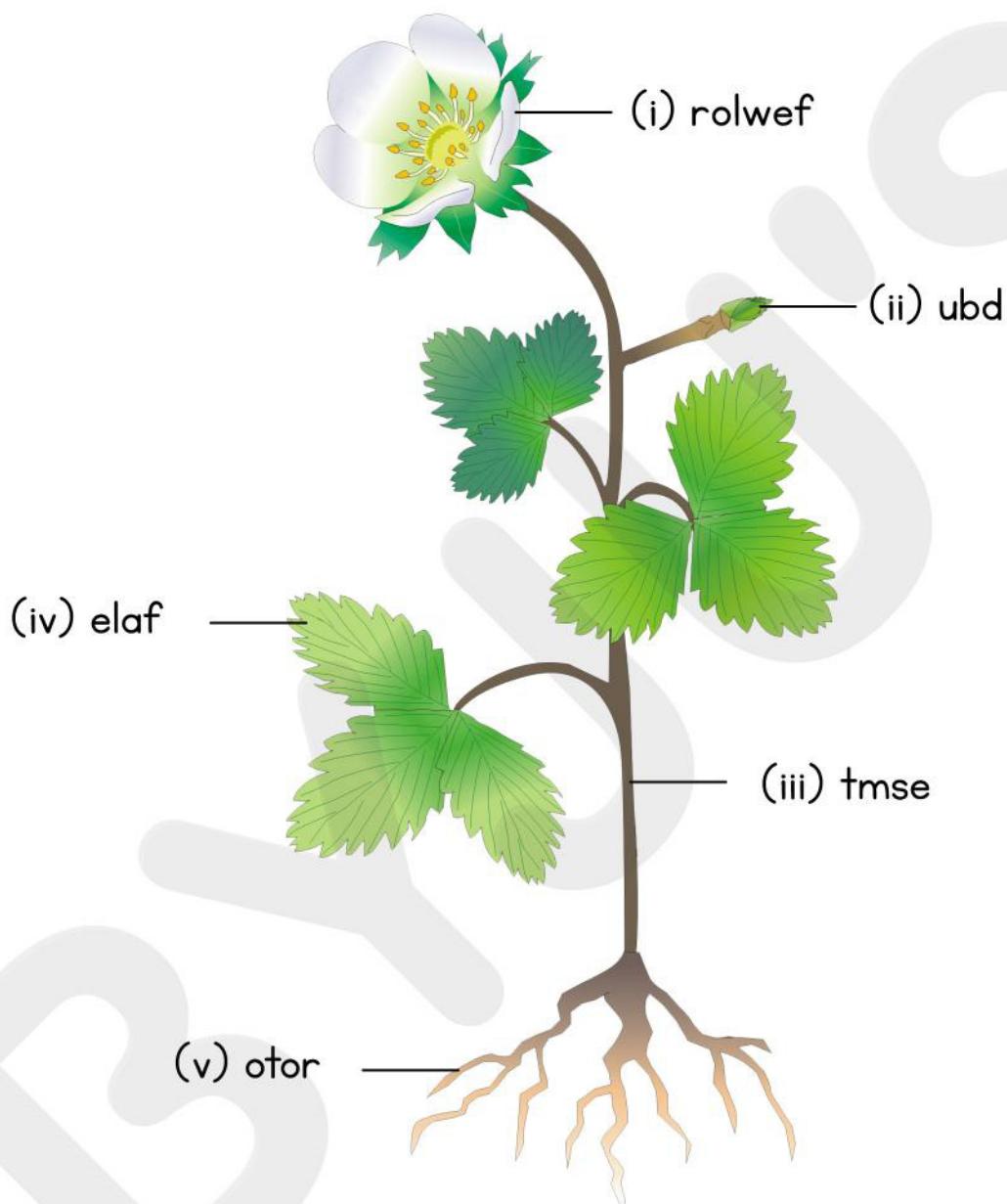
Given below are the different types of plants. Match the types of the plants with their examples.

S.No.	Types of Plants		Examples
1.	Tree	a.	
2.	Shrub	b.	
3.	Herb	c.	
4.	Climber	d.	
5.	Creeper	e.	



Parts of a Plant

Unscramble the letters to name the different parts of a plant.



The Right Place to Live!

Plants are adaptable just as animals adapt to the places they live. Plants adapt to a wide variety of habitats. As a result, each plant has certain characteristics. Some have adapted to living on land while others to thrive in water. Plants that grow on land usually have stiff stems to hold them upright, while water plants tend to have less rigid stems because the water supports them. Plants that live in dry climates like the desert have small or very few leaves. This cuts down on water loss through evaporation that would take place. Their stems may also be thick to hold or store more water. Plants that grow in shaded areas have large leaves to capture as much sunlight as possible.

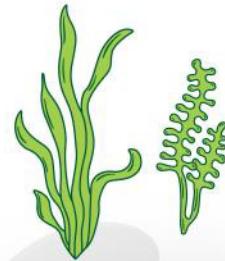
Look at the pictures below. Explain how each plant has adapted to its habitat.

- I. A cactus growing in a hot, dry area.



The Right Place to Live!

2. Pondweed growing just under the surface of water.



3. A daisy growing in mowed or grazed grass.



4. Conifers grow in the high elevations of mountains.



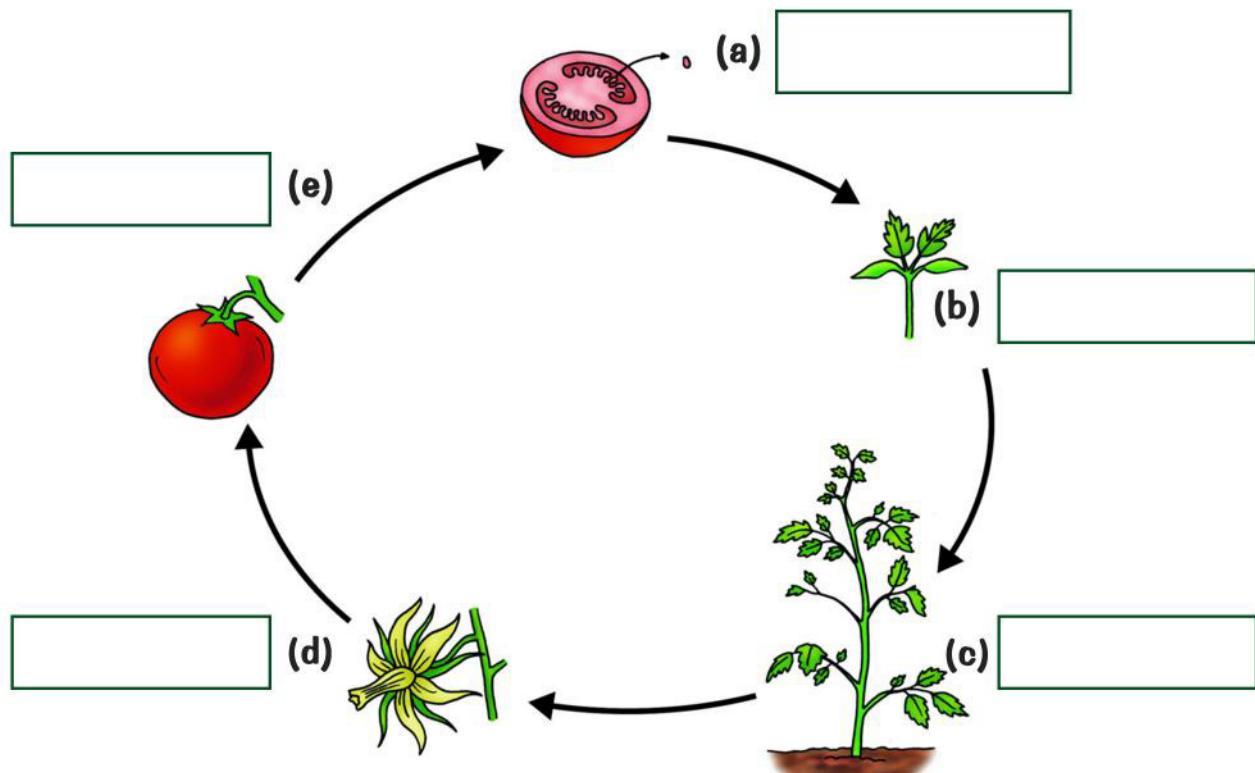
5. Mangrove swamps are found in tropical and subtropical tidal areas.



Life Cycle of a Plant

Plants follow a cyclic process of starting a new life, growing, maturing and then reproducing to start a new life. Plants start their life from a seed and grow-up to a mature plant.

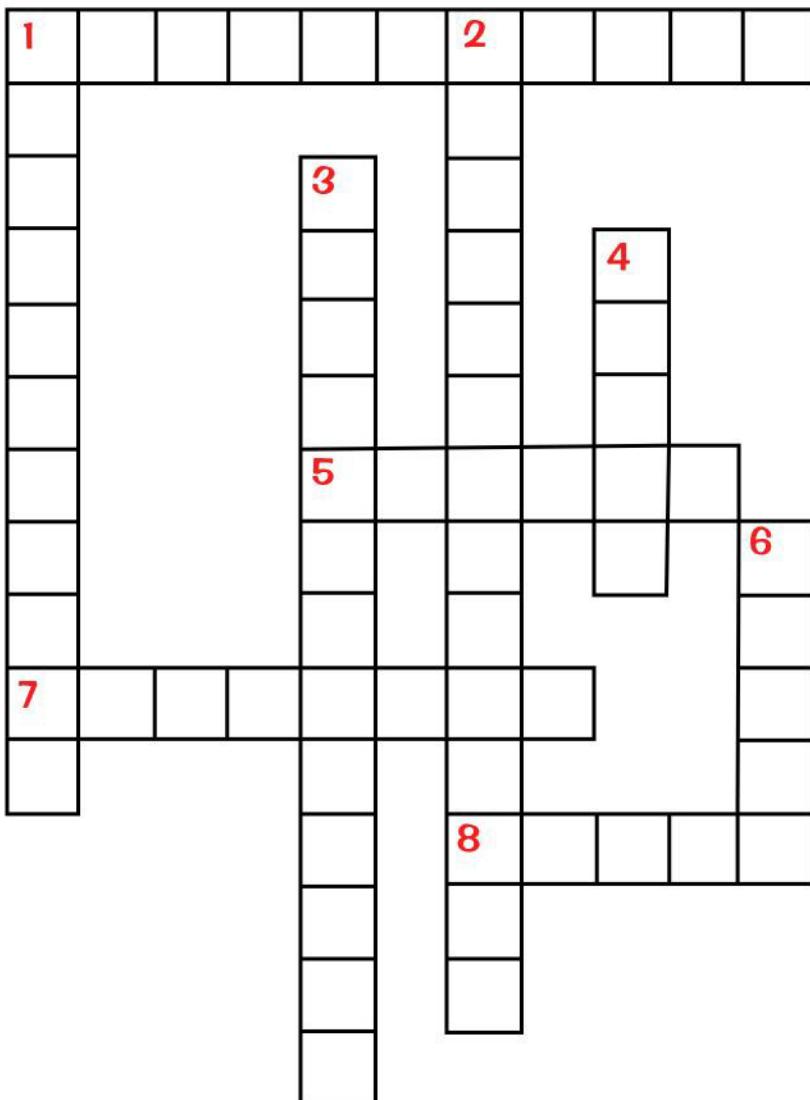
Read the information and fill in the boxes with relevant information about the various stages of a plant's life cycle.



Photosynthesis

Complete the crossword puzzle and refer to the word bank if you need help.

oxygen carbon dioxide sugar green water
sunlight chloroplast chlorophyll photosynthesis



Photosynthesis

Across

1. A pigment in the plant cell that gathers light energy
5. Waste product of photosynthesis
7. Photosynthesis uses this form of energy to drive the process
8. Compound produced by photosynthesis

Down

1. Part of a plant cell that contains chlorophyll
2. Name of the entire process in which a plant produces its own food
3. Gas required during the process of photosynthesis
4. Chlorophyll gives plant life this colour
6. Waste product as a result of photosynthesis; one word



Benefits from Plants

You know that the plants are very versatile. They not only provide us with oxygen to breathe but also food to eat. Below are some edible parts of plant that are consumed. Find and circle the underlined words in the word puzzle below. The words can be horizontal or vertical.

1. Leaves that we eat - **Spinach**
2. A root that we eat - **Carrot**
3. A cereal that we eat - **Barley**
4. Pulses that we eat - **Peas**
5. A fruit that we eat - **Mango**
6. A dry fruit that we eat - **Almond**
7. A fruit that we treat as a vegetable - **Tomato**
8. A spice that adds flavour and aroma to food- **Clove**
9. A medicinal plant - **Neem**
10. A plant that we make paper for writing and printing purposes from - **Eucalyptus**

S	Z	C	P	W	U	K	B	B	X	G	K	R	L	Q	R
H	M	L	T	P	Q	F	W	V	Y	Q	B	D	F	J	Y
W	N	G	X	I	Z	C	B	T	A	R	K	B	U	Z	Y
P	R	A	O	O	O	B	W	A	T	P	L	S	U	E	
Q	O	J	Y	L	V	W	H	L	X	D	U	K	I	R	L
Q	C	K	F	W	U	Z	D	M	D	Z	C	G	A	E	L
P	E	A	S	M	S	Q	H	O	I	X	G	X	Y	J	C
P	V	M	A	X	T	I	L	N	C	L	O	V	E	B	A
W	I	R	L	E	X	N	K	D	S	Z	E	N	C	A	R
E	P	W	W	O	U	M	Y	K	X	P	K	J	H	R	R
S	A	F	W	U	B	T	O	M	A	T	O	B	B	L	O
E	U	C	A	L	Y	P	T	U	S	U	L	O	N	E	T
T	F	R	Z	M	T	A	R	V	P	T	R	D	U	Y	X
R	Q	O	N	E	E	M	I	G	L	T	U	C	W	E	J
Y	H	W	D	S	P	I	N	A	C	H	M	A	N	G	O
Q	R	E	X	Q	B	M	D	X	T	J	Z	J	E	I	K



ANSWERS



Plant Parts we Eat!

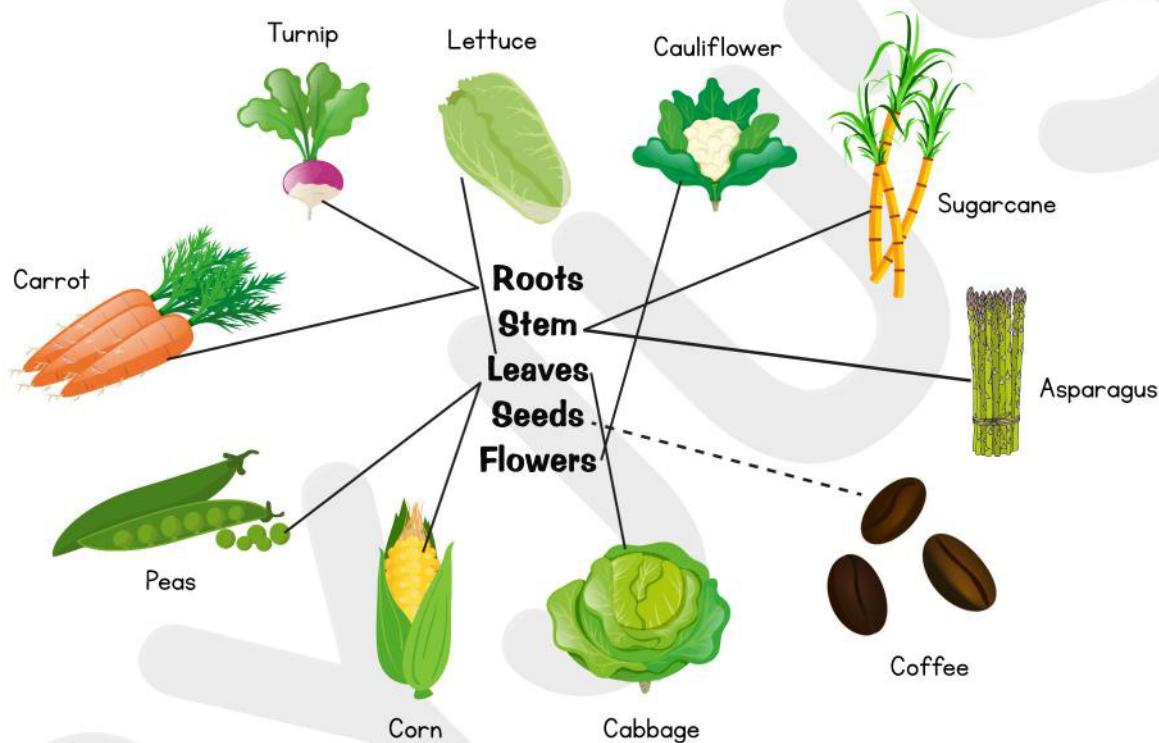
Roots - Turnip, Carrot

Stems - Asparagus, Sugarcane

Leaves - Cabbage, Lettuce

Seeds - Peas, Corn, Coffee

Flowers - Cauliflower



Living it up with Plants!

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- It produces acorns in the autumn.
- Birds nest in the branches.
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- It takes in water through its roots.
- It grows 300 mm each year.
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Oak tree



Acorns



Plant Groups

S.No.	Types of Plants		Examples
1.	Tree	e.	
2.	Shrub	c.	
3.	Herb	a.	
4.	Climber	b.	
5.	Creeper	d.	



Parts of a Plant

- (i) flower
- (ii) bud
- (iii) stem
- (iv) leaf
- (v) root



The Right Place to Live!

1. A cactus grows in a hot, dry area. The stem of a cactus plant stores water in its thick stem. Its leaves have become spines to stop water loss.



2. Pondweed growing just under the surface of water. It has a weak stem as the water supports it.



3. A daisy growing in mowed or grazed grass. It grows close to the ground to survive mowing or grazing.



4. Conifers grows in the high elevations of mountains. The sloping shape of conifers protects the trees from snowfall.

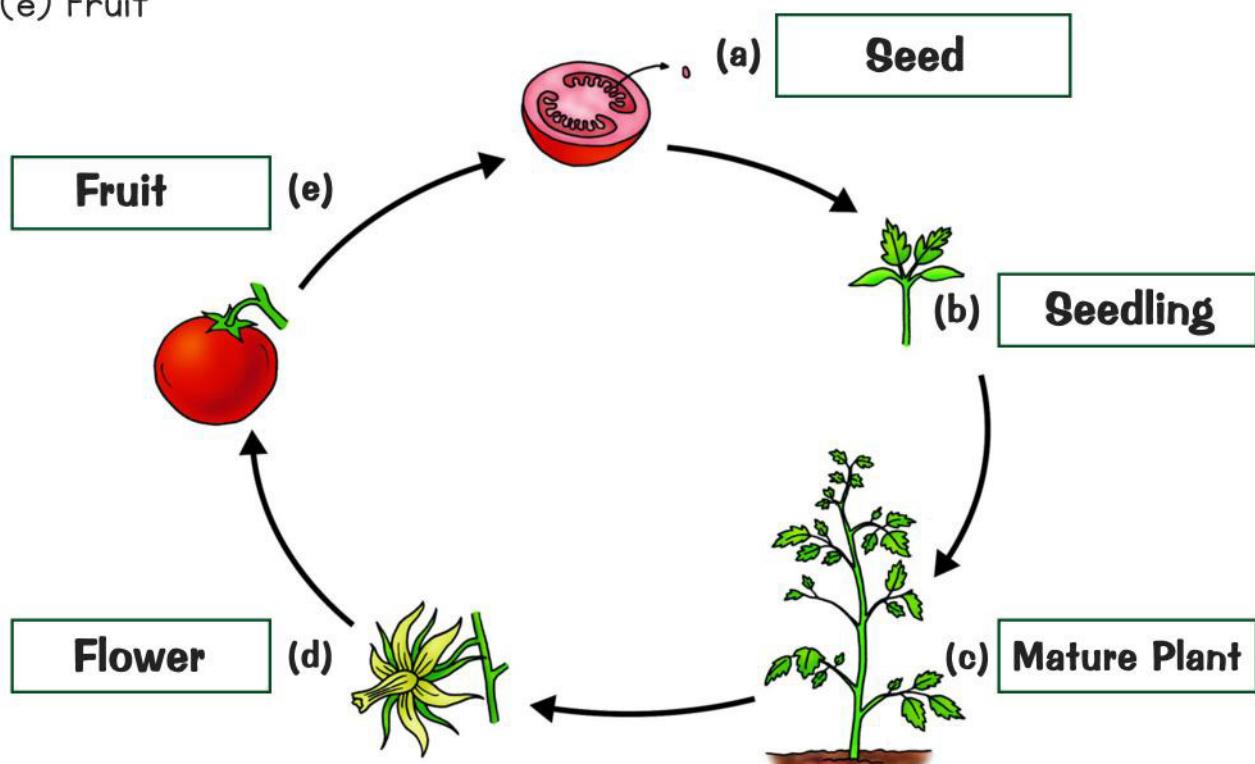


5. Mangrove swamps are found in tropical and subtropical tidal areas. Mangrove trees have breathing roots that grow above the soil to take in the air they need.

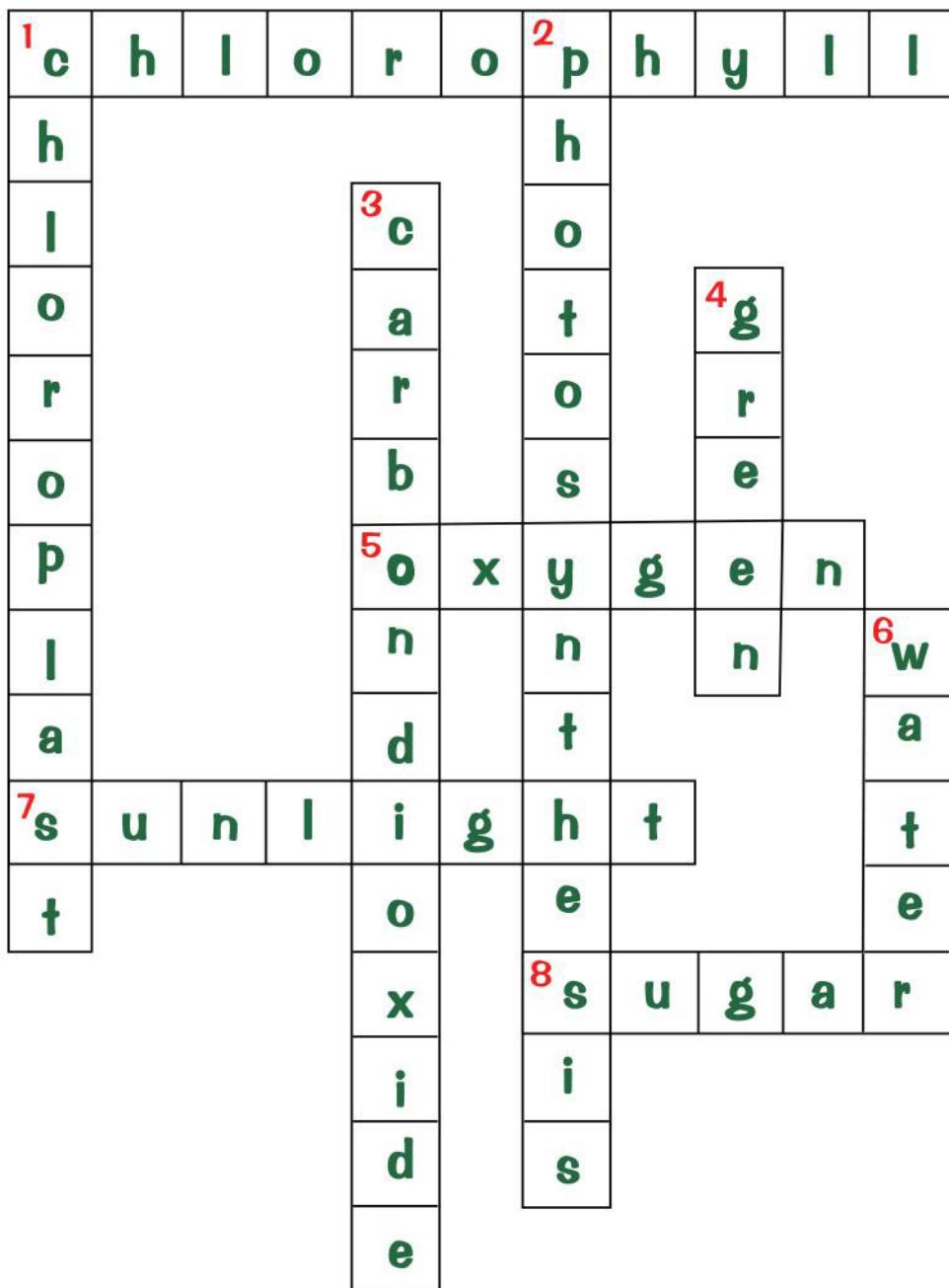


Life Cycle of a Plant

- (a) Seed
- (b) Seedling
- (c) Mature Plant
- (d) Flower
- (e) Fruit



Photosynthesis



Benefits from Plants

S	Z	C	P	W	U	K	B	B	X	G	K	R	L	Q	R
H	M	L	T	P	Q	F	W	V	Y	Q	B	D	F	J	Y
W	N	G	X	I	Z	C	B	T	A	R	K	B	U	Z	Y
P	R	A	O	O	O	B	W	A	T	P	L	S	U	E	
Q	O	J	Y	L	V	W	H	L	X	D	U	K	I	R	L
Q	C	K	F	W	U	Z	D	M	D	Z	C	G	A	E	L
P	E	A	S	M	S	Q	H	O	I	X	G	X	Y	J	C
P	V	M	A	X	T	I	L	N	C	L	O	V	E	B	A
W	I	R	L	E	X	N	K	D	S	Z	E	N	C	A	R
E	P	W	W	O	U	M	Y	K	X	P	K	J	H	R	R
S	A	F	W	U	B	T	O	M	A	T	O	B	B	L	O
E	U	C	A	L	Y	P	T	U	S	U	L	O	N	E	T
T	F	R	Z	M	T	A	R	V	P	T	R	D	U	Y	X
R	Q	O	N	E	E	M	I	G	L	T	U	C	W	E	J
Y	H	W	D	S	P	I	N	A	C	H	M	A	N	G	O
Q	R	E	X	Q	B	M	D	X	T	J	Z	J	E	I	K

